"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CTIRAD, John; SCHINDLER, Jiri; VANECEK, Rudolf

Susceptibility of young rats to strains of Brucella of varying virulence. J. Hyg. Epidem., Praha 1 no.3:342-352 1957.

1. Department of Medical Microbiology & immunology, Charles University, Prague 2nd Department of Pathology, Charles University, Prague.
(BRUCELLA, infect.
susceptibility of young rats to strains of varying virulence)

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CZECHOSLOVAKIA/Microbiology. Hemoglobinophillic Bacteria. Brucellae F-5

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 62446

Author : John Ctirad, Vanecek Rudolf
Inst : -
Title : Formation of Antibodies and Tissue Changes in Experimental Brucellosis in Young Rabbits.

Orig Pub : Ceskosl. epidemiol., mikrobiol., immunol., 1957, 6, No 1, 12-19

Abstract : Intracerebral infection of young rabbits with highly virulent brucellae, strain Brucella abortus 2119 in a quantity of 2 x 10^8, produced the development of fatal brucellosis: 3-week rabbits died in the course of 6, and 4-week in the course of 8, days. The brucellae were obtained from bone and cephalic marrow, the spleen, and liver. In the blood serum of the inoculated

Card : 1/3

CZECHOSLOVAKIA/Microbiology. Hemoglobinophillic Bacteria. Brucellae F-5

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R0005094

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 62446

animals, agglutinins and complement-binding antibodies were found in the course of a week after infection, and in the course of 16 days--in the extracts from the bone marrow and spleen of the dead animals. In the course of the first days after infection of 3-weed old rabbits with B. abortus (strain 1914), the spleen and bone marrow extracts showed incomplete antibodies. The final ones were also observed in blood serum and in the extracts of the liver, spleen, and bone marrow on the 11th day after subcutaneous introduction of live vaccine VA into 8-day-old rabbits. From that very day it is possible to discover antibodies in the blood serum binding the complement, whereas in extracts from organs, the latter appeared only after 19 days following vaccination. Tissue

Card : 2/3

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

KECOVA, Helga; CTIRAD JOHN

Increased susceptibility to infection in agammaglobulinemia. Cas. lek. cesk. 97 no.26:801-807 27 June 58.

1. Klinika nemoci vnitrnich lekarske fakulty hygienicke KU v Praze. Prednosta prof. Dr. Vratislav Jonas. Ustav pro lekarskou mikrobiologii a immunologii KU v Praze. Prednosta prof. Dr. Frantisek Patocka. H. K., Praha 12, Pod Terebkou 4.

(AGAMMAGLOBULINEMIA, case reports
with lymphatic leukemia & resp. & skin infect. (Cz))
(LEUKEMIA, LYMPHATIC, case reports
with agammaglobulinemia & resp. & skin infect. (Cz))
(RESPIRATORY TRACT, infect.
with agammaglobulinemia, lymphatic leukemia & skin infect. (Cz))
(SKIN, dis.
infect., with agammaglobulinemia, lymphatic leukemia & resp. infect. (Cz))

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L 06097-67 EWP(t)/ETI LIP(c) JD/JH
ACC NR: AP6017905 (A) SOURCE CODE: CZ/0078/65/000/012/0023/0023

INVENTOR: Hittmann, Arnost (Jablonec nad Nisou); Ctveracek, Karel (Graduate economist; Jablonec nad Nisou)
ORG: none

TITLE: [A method for the direct galvanizing of aluminum] CZ Pat. No. PV 3840-64, Class 48

SOURCE: Vynalezy, no. 12, 1965, 23

TOPIC TAGS: aluminum plating, aluminum, electroplating

ABSTRACT: A method for the direct galvanizing of aluminum and its alloys, with the alloy of copper and tin in an alkali, cyanide solution is described which has the distinguishing feature that the solution contains, for 1 liter 5 to 40 g of copper in the form of a cyanide complex, 10 to 30g of free, pure cyanide, 6 to 20g of sodium hydroxide or pure potassium hydroxide, 40 to 60g of pure sodium-potassium tartrate, 20 to 65g or sodium stannate, or pure potassium stannate, 0.5 to 2.0g of pure lead acetate, 0.05 to 5.0g of binaphthyl methane sodium or potassium sulphonate, 0.05 to 0.5g of a surface active substance at a temperature of 40 to 65°C. An anode is used made of an alloy of copper and tin in proportions of 10 to 70% copper, and of 30 to 90% tin respectively.

SUB CODE: 07,13/ SUBM DATE: 03Jul64

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CTVRTECK, L.

Protection of transmission lines with branches. p. 306.

ENERGETIKA. Praha, Czechoslovakia. Vol. 9, No. 6, June 1959

Monthly list of East European Accessions, (EEAI) LC, Vol. 8, No. 10
Oct. 1959.
Uncl.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CTVRTECKA, Lubomir

Distance and differential protection of bus bars in extra high voltage switch plants. El teck obzor 53 no. 2:73-77 F '64.

1. Zavody prumyslove automatizace - Krizik, Trutnov.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CTVRTNICEK, Karel

Automation of the Qu 24 spectrograph. Hut listy 18 no.5:359-360 My '63.

1. Kralovopolska strojirna, n.p., Brno.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

ČTVRTNÍK JOSEF

3,4-Dimethoxybenzylchloride. Josef Čtvrtník. Czech. 84,221, May 1, 1955. A mixt. of 125 g. veratrol, 80 g. HCHO, and 150 g. CHCl:CCl$_2$ is satd. at 15° with HCl in the presence of CaCl$_2$ yielding 3,4-dimethoxybenzylchloride (60% of theory) suitable for use in the synthesis of papaverine.
L. J. Urbánek

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XV

3,4-Dimethoxybenzyl chloride. Josef Čtvrtník. Czech. 85,333, Dec. 1, 1955. Veratrole (I) is chloromethylated with HCOH and aq. HCl in the presence of anhyd. $CaCl_2$ which removes water and catalyzes the reaction. To a mixt. of 138 g. I, 120 ml. $CHCl:CCl_2$, 33 g. paraform, and 244 g. $CaCl_2$ is added at 15–20° under stirring within 45 min. 212 g. 35% HCl and stirred another 45 min. the cryst. $CaCl_2$ sepd. and the soln. worked up in the usual way yields 60% 3,4-$(MeO)_2C_6H_3CH_2Cl$.

L. J. Urbánek

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CTVRNIK, Josef

12 p, 8/01 DNP 13 344
Akt.-Z.: WP 12 p/38 280
Erf.: Dr. Josef Ctvrnik, Olomouc;
Dr. Oldrich Nemecek, Praha;
Jiri Mayer, Brno
Inh.: Synfarma, narodni podnik, Dolni Mecholupy (CSR)
Verfahren zur Herstellung von 4-substituierten 1,2-Diaryl-3,5-dioxopyrazolidinen.
19. 8. 1955

SO: Erfindungs und Vorschlagswesen (Berlin), 7/1, January 1958, p. 105.

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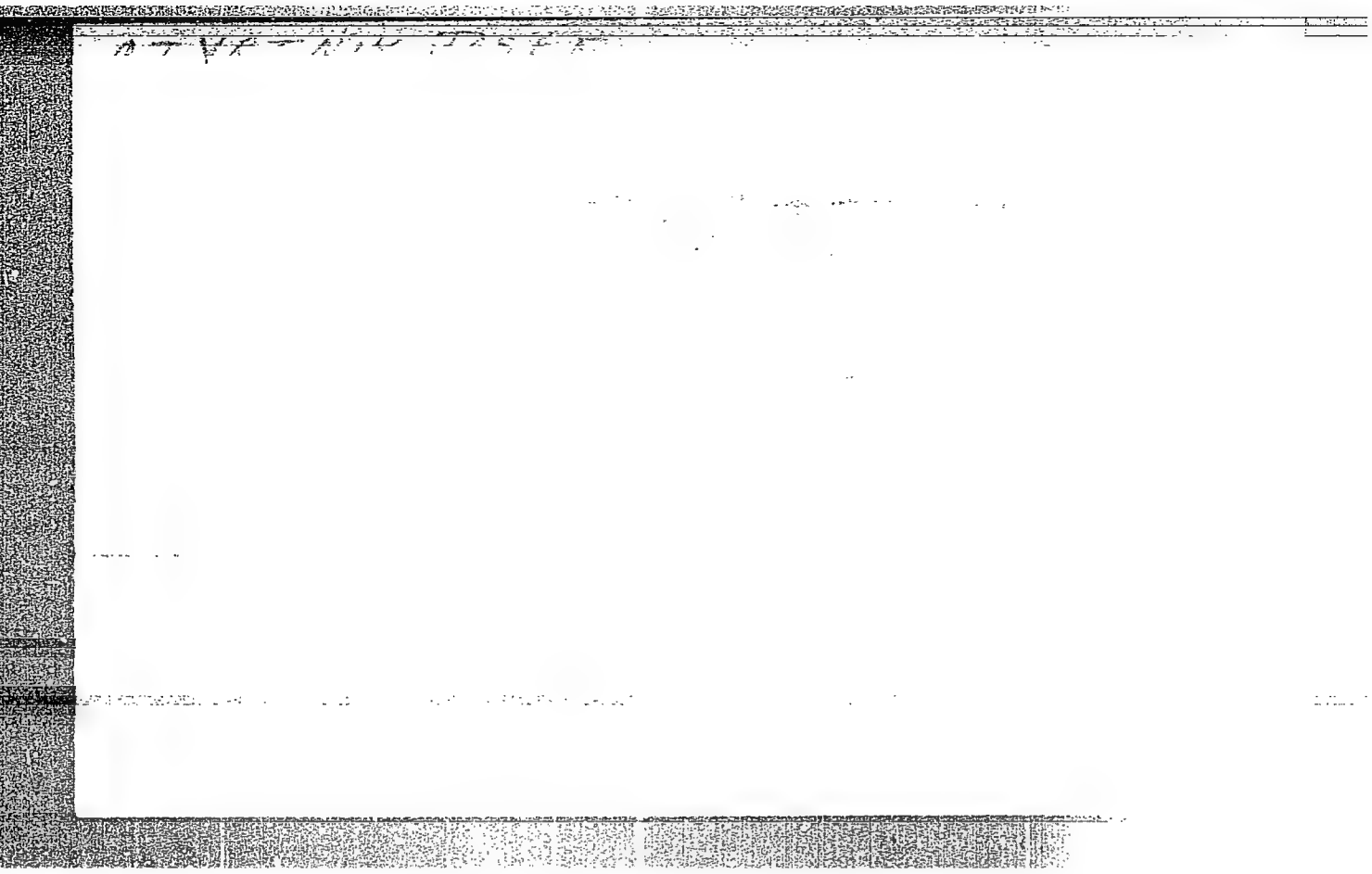
"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942



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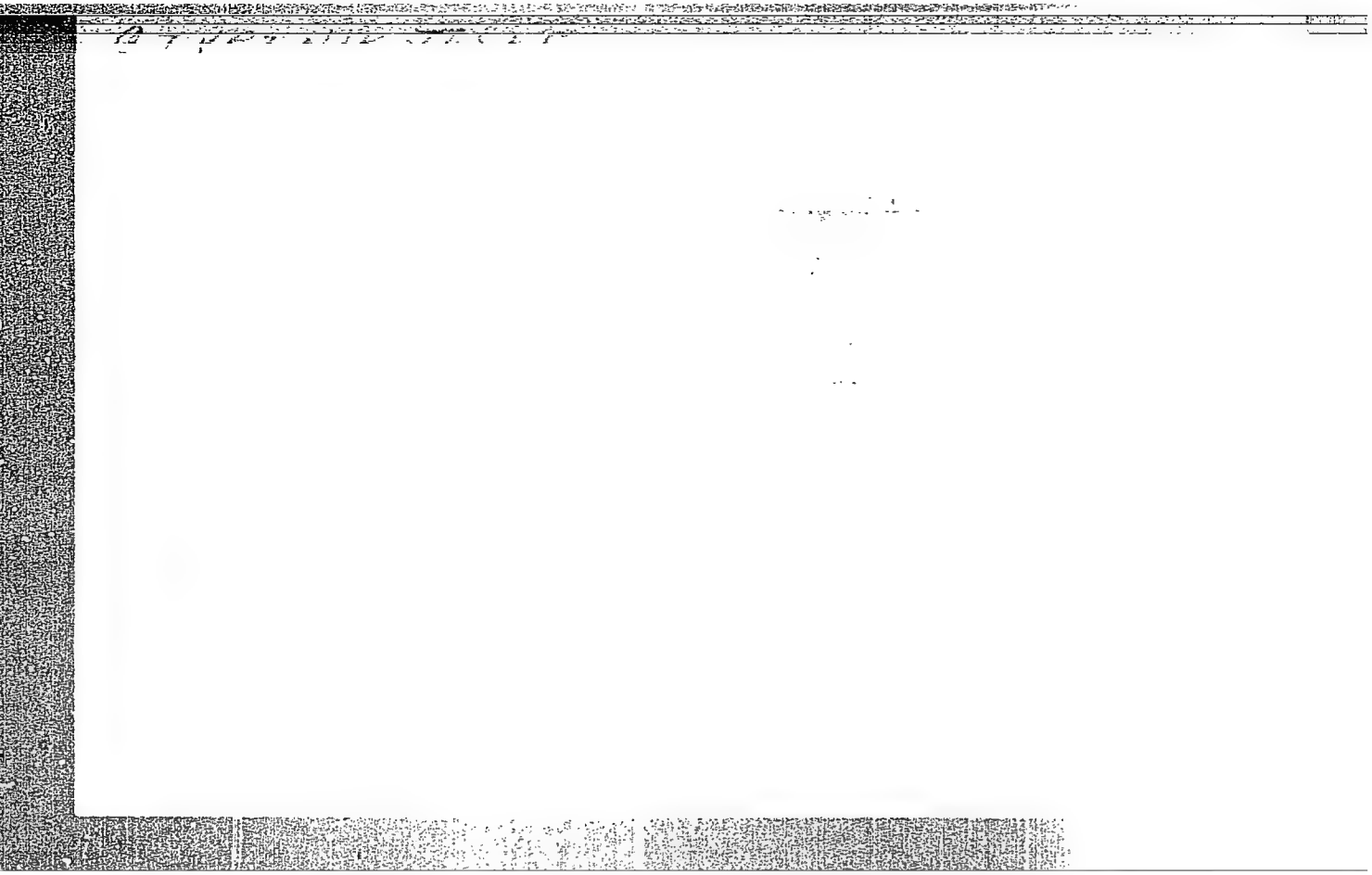

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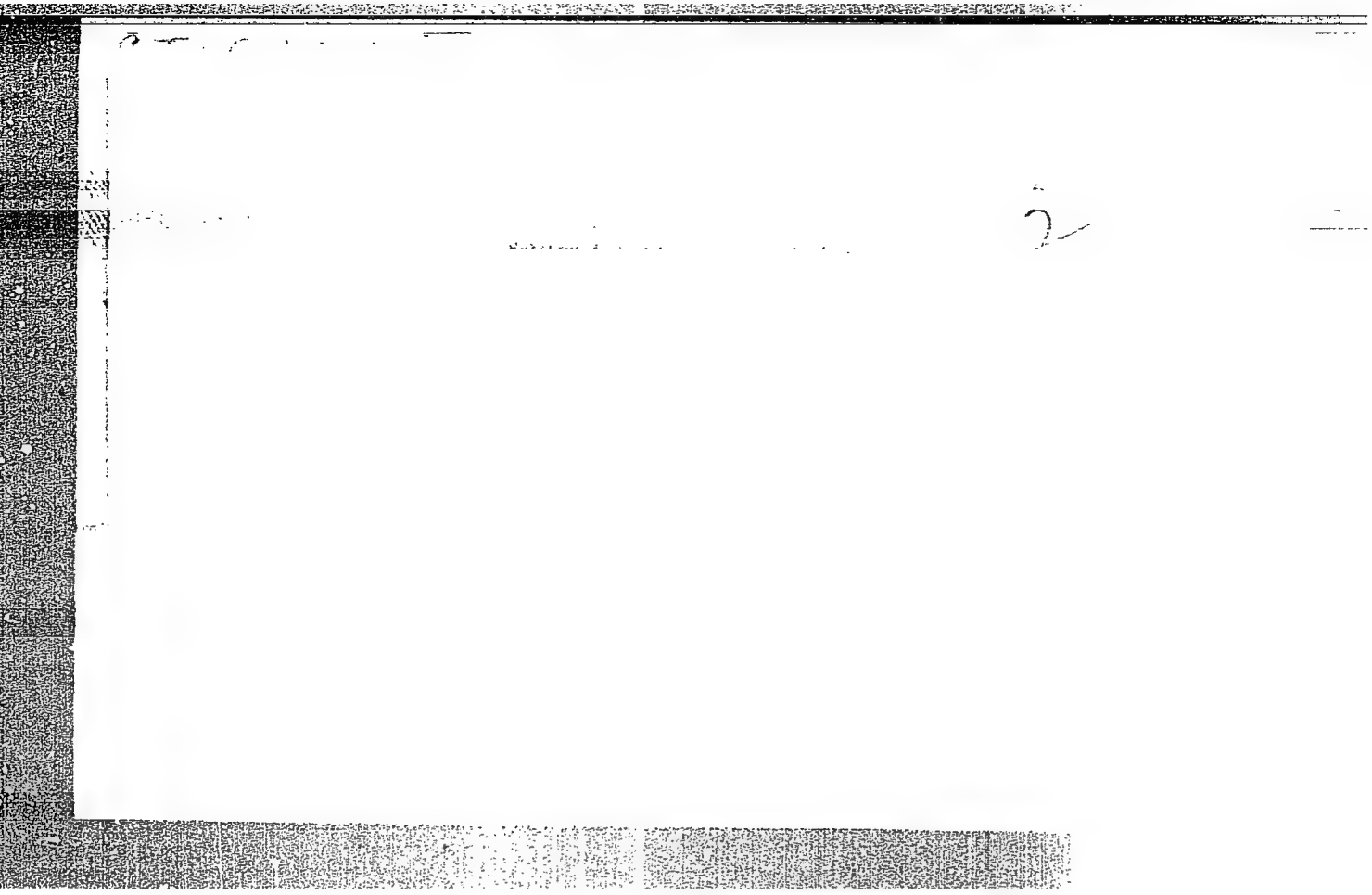

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

July 15, 1955. Treatment of 1,2-diaryl-3,5-dioxopyrazoli-

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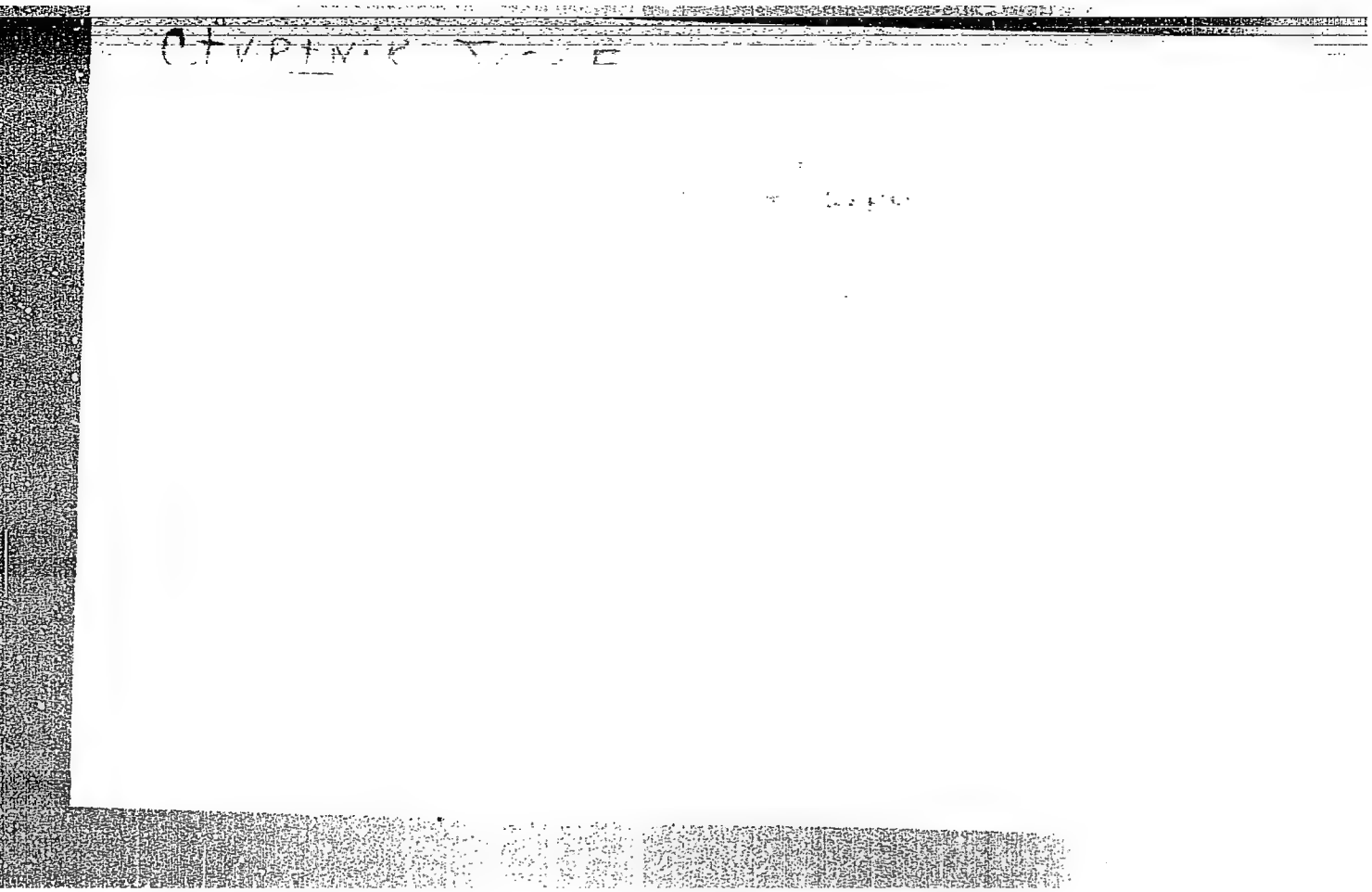
"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942



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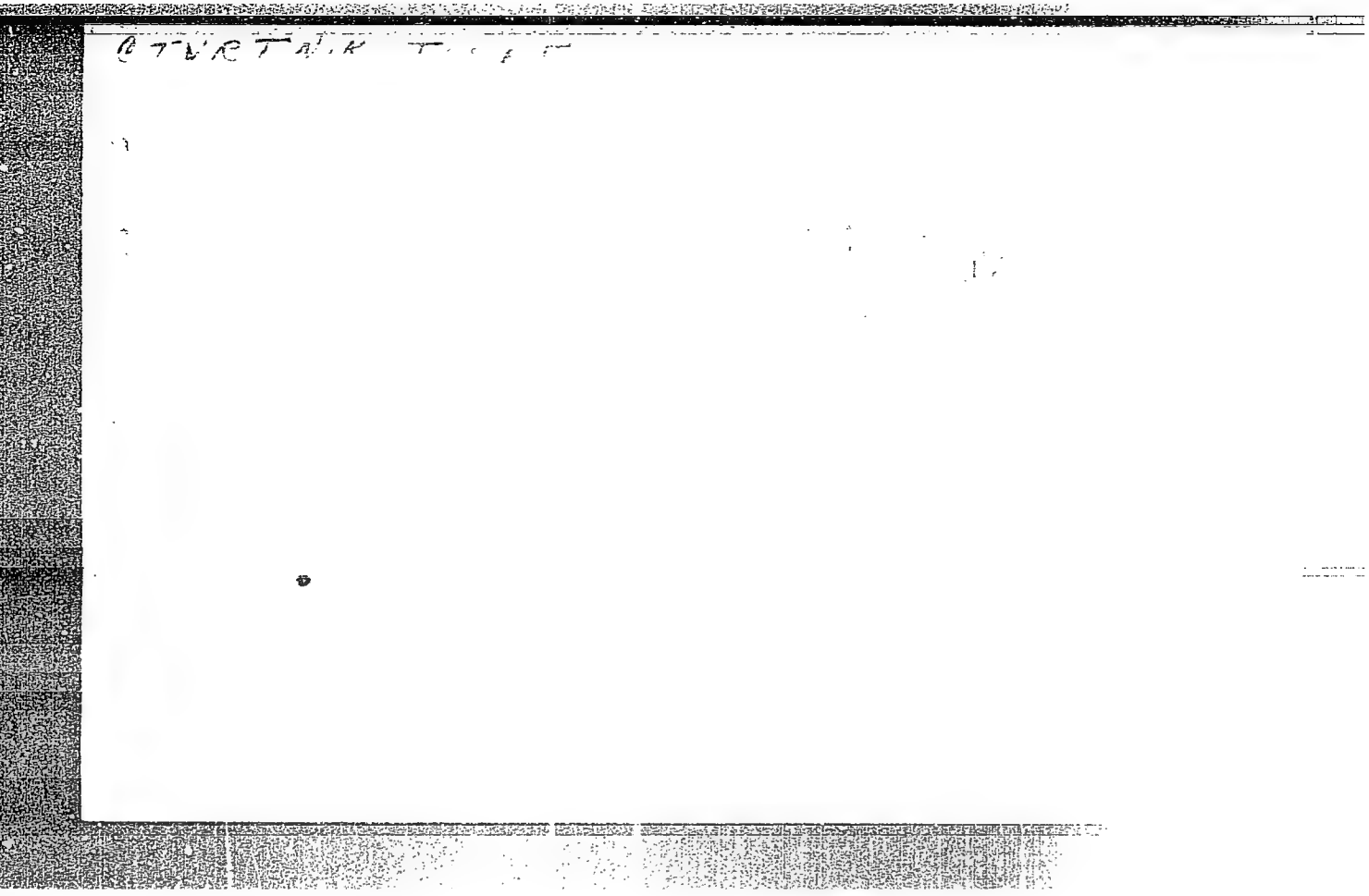

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

Abs Jour: Ref Zhur-Khimiya, No 3, 8338.

Author : Ctvrtnik, Josef., Mayer, Jiri., Nemecek, Oldrich., Horakova, Zdena.
Inst : Not given.
Title : New Derivatives of 1,2-Diphenyl-3,5-Diketo-Pyrazolidine.

Orig Pub: Ceskosl. farmac., 1958, 7, No 6, 303-304.

Abstract: Gamma-chlorocrotyl-malonic ester (I) condonsed with hydrazo-benzene (II) to 1,2-diphenyl-4-(gamma-chlorocrotyl)-3,5-diketo-pyrazolidine (III), which was also prepared by alkylation of 1,2-diphenyl-3,5-diketo-pyrazolidine with 1, 3-dichlorobutene-2 in aqueous alcoholic solution of NaOH. Treatment with H_2SO_4 converts III to 1,2-diphenyl-4-(gamma-ketobutyl)-pyrazolid-

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APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R0005094

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 8338.

Abstract: ine-dione-3,5 (IV), the Na-salt of which is readily soluble in water. To a solution of 2 g Na in 40 ml alcohol are added 21.5 g I and 16 g II, the mixture is heated, driving off the alcohol, 50 ml water are added, and the batch is acidified to get III, yield 20 g, MP 167-168° (corrected; from acetone). To 10 g III in 150 ml CCl_4 are added dropwise 20 ml concentrated H_2SO_4, stirred for about 2 hours, the acid layer is mixed with 1 liter of ice water, and IV is separated, yield 8.6 g, MP 120° (corrected; from alcohol); semi-carbazone, MP 172°. -- D. Vitkovskiy.

Card 2/2

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

LENFELD, J.;KROUTIL, M.;BOCEK, M.;CTVRTNIK,J.;MAYER, J.

Toxicity and anti-inflammatory effects of chlorocrotylpyrazolidine. Cesk. fysiol. 9 no.1:87-88 Ja 60.

1. Farmakologicky a histologicky ustav lek. fak. PU a Farmakon, n.p., Olomouc.

(PHENYLBUTAZONE, rel. cpds.)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

KROUTIL, M.; LENFELD, J.; CTVRTNIK, J.; MAYER, J.

Anti-inflammatory activity of new trasentin derivatives. Cesk. fysiol. 9 no.3:294-295 My '60.

1. Katedra farmakologie lek. fak. PU a Farmakon n.p., Olomouc.
(PARASYMPATHOLYTICS pharmacol)
(INFLAMMATION exper)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

MATUROVA, M.; TSCHU SHUN, J.; CTVRTNIK, J.; SANTAVY, F.

Polarography of alkaloids. XXV. Polarography of some papaverine derivatives. Coll Cz Chem 25 no.12:3321-3329 D '60.
(EEAI 10:9)

1. Chemisches Institut, Medizinische Fakultat, Palacky-Universitat, Olomouc, und Farmakon, Olomouc.

(Polarograph and polarography) (Alkaloids)
(Papaverine)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

STROJIRENSTVI (Machinery)

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CZECHOSLOVAKIA/Physical Chemistry. Electrochemistry. B

Abs Jour: Ref Zhur-Khim., No 5, 1959, 14770.

Author : Kunes J., Ctvrtnik V.
Inst :
Title : Basic Principles for the Measurement of Potential Gradients in an Electrolytic Bath.

Orig Pub: Strojirenstvi, 1958, 8, No 6, 459-463.

Abstract: A method for the measurement of a potential gradient by double probe is described. Instruments, permitting the carrying out of the measurements, correct to ± 0.5 - 1%, are described. -- Authors' resume.

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CTVRTNIK, V.; KUBES, J.

Use of electric models in research of flow in bladed wheels. p. 589

STROJIRENSTVI (Ministerstvo tezkeho strojirenstvi, Ministerstvo vseobecneho stronirenstvi) Praha, Czechoslovakia, Vol. 9, no. 8, Aug. 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 9, no. 2, Feb. 1960

Uncl.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

Z/032/60/000/02/002/023
E073/E535

AUTHORS: Kuneš, J., Engineer and Čtvrtník, V., Engineer

TITLE: Determination of the Temperatures in the Rotor and Vanes of Gas Turbines by Means of Electrical Analogues

PERIODICAL: Strojírenství, 1960, Nr 2, pp 83-88

ABSTRACT: The only paper known to the authors concerning application of the electrothermal analogy for studying the temperature fields in cooled gas-turbine blades deals with the analogy study of the temperature distribution in cooled gas-turbine blades (G.F.Kettleborough, Brit. Journ. Appl. Phys., 1955, Nr 6). His paper is too brief and too general. Litvinov (Ref 7) deals with determination of the steady-state temperature fields in cooled turbine blades and discs by the electrical-analogy method; Shvets, Gerashchenko and Dyban (Ref 10) published results of investigations of the temperature fields at the roots of gas-turbine blades. In Czechoslovakia the electrothermal-analogy method was little used until very recently; a problem which has been solved (Ref 4) is that of the combined solution of the temperature fields

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

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E073/E335

Determination of the Temperatures in the Rotor and Vanes of Gas Turbines by means of Electrical Analogues

in the rotor and in the blades of gas turbines. In this paper the process of producing an analogue is dealt with in great detail and the problem of simulation of the boundary conditions of the rotor and the blades is solved. A further C z e c h paper (Ref 5) deals with investigation of the temperature fields in internally-cooled gas-turbine blades. A method is described of measuring the temperatures in the rotor, blade and blade root of a gas turbine by electrothermal analysis and the procedure to be applied in simulating by means of an electrolytic model is elucidated. The accuracy of measurement is verified by comparing the measured and the calculated values for discs of constant and of hyperbolic cross-section, assuming equal boundary conditions; the inaccuracy was found to be less than 0.5%. In Figure 1 a diagrammatic sketch is given of a cooled rotor of a turbine. In Figure 2 a blade lattice is diagrammatically represented. Figure 3 shows the connection of electrodes for an analogue of the blades. Figure 4 shows the connection

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

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E073/E335

Determination of the Temperatures in the Rotor and Vanes of Gas Turbines by means of Electrical Analogues

of the electrodes for an analogue of the blade roots. The principles of producing analogues, selection of optimum electrodes and an electrolyte were dealt with in an earlier paper by the authors (Ref 1). In this paper, the actual process of carrying out the analogue tests is described, whereby a sketch, Figure 5, shows the procedure to be applied in working with the analogue. Figure 6 shows a photo of an electrical analogue of a blade. Figure 7 shows a photo of the analogue of the blade root and Figure 8 shows the photo of an analogue of the rotor. An example is described in which the temperature field was determined for a single-stage gas turbine which was cooled by air flowing along the faces of the runner wheel. In Figure 9 the temperature distribution in the blade is graphed on the assumption that the temperature of the cooling air is constant and has the values of 140 and 180 °C, respectively. Figure 10 shows the temperature

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E073/E335

Determination of the Temperatures in the Rotor and Vanes of Gas Turbines by means of Electrical Analogues

drop in the root of the blade. Figure 11 shows the temperature field in the runner wheel. Figure 12 shows the resultant temperature characteristic in the rotor. It is concluded that this method is suitable and convenient for solving a number of problems relating to the construction of gas turbines and other power-generating equipment.
There are 12 figures and 26 references, of which 5 are Czech, 5 English, 7 German and 9 Soviet.

ASSOCIATION: VŠSE, Pilsen

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

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E073/E335

26.2124

AUTHORS: Kuneš, J. and Čtvrtník, V., Engineers

TITLE: An Analogue Study of Cooling Turbine Blades

PERIODICAL: Strojnícky časopis, 1961, No. 2, pp. 79 - 98

TEXT: H.H. Ellerbrock et al (Ref. 10: NACA, T.N. 3060, 1953) report on the use of electric analogues for calculating the temperature distribution of cooled turbine blades. In this paper the authors report the application of an electrical analogue for determining the stationary temperature fields and the thermo-elastic stresses in the transverse section of cooled turbine blades. In the first section of the paper the cooling methods (gas, liquid) are briefly reviewed, quoting data from the literature. Following that, a brief mathematical analysis is given of the heat transfer from the working gas into the blade, from the blade into the coolant and of the temperature field and the blade stresses. The method of electrical analogy is based on applying the results derived by Livingood and Brown (Ref. 25: NACA Rep. 994, 1950; Ref. 26: NACA Rep. 1066, 1950) and giving an approximate analytical solution using the

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

An Analogue Study ....

method of stress relaxation. The analogy between the Laplace equation

$$\nabla^2 T = \frac{\partial^2 T}{\partial x^2} + \frac{\partial^2 T}{\partial y^2} = 0 \qquad (10)$$

and the distribution of electrical potentials on a model produced from a conductor of the same shape as a blade with similar boundary conditions, expressed by:

$$\nabla^2 V = \frac{\partial^2 V}{\partial x^2} + \frac{\partial^2 V}{\partial y^2} = 0 \qquad (18)$$

is utilised for simulating the cooling conditions on the turbine blade. A detailed description of the applied technique is contained in earlier work of the authors (Ref. 18: Strojírenství, Vol.10, No.1, 1960; Ref. 33 - Výzkumná zpráva VŠSE, Pilsen, TM 6, 1960). Fig. 4 shows the analogue of a turbine blade with five cooling channels.

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An Analogue Study ....

The experiments were made for working-gas temperatures of 1 000 °C. Fig. 8 shows the temperature field of several blades under investigation, for a ratio of the external heat-transfer coefficient of the turbulent and laminar boundary layers on the profile $\alpha_{turb}/\alpha_{lam}$ = 1000/500 kcal/m^2 h °C and a coefficient of thermal expansion of the blade material $\lambda \approx 20$ kcal/m hrs °C. Fig. 8a applies to a hollow, air-cooled blade with a blade-to-coolant heat-transfer coefficient α_{ch} = 200 kcal/m^2 hrs °C. Fig. 8b applies to a blade with 21 cooling channels arranged at the periphery, α_{ch} = 2 500 kcal/m^2 hrs °C. Fig. 8c applies to a blade with 5 cooling channels, a_{ch} = 2 500 kcal/m^2 hrs °C. Fig. 8d applies to a blade with 2 cooling channels a_{ch} = 5 000 kcal/m^2 hrs °C . In addition, plots are included, giving the temperature curves for 3 blades with various arrangements of the coolant channels (Fig. 9). Furthermore, plots are

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An Analogue Study ....

included of the effect of the external heat-transfer coefficient on the blade temperature curve; the effect of the internal heat-transfer coefficient on the blade temperature conditions; the effect of the thermal conductivity of the blade material on the blade temperature conditions. The method proved very useful; it enabled more accurate studies within a short time, even if the problems were three-dimensional with arbitrarily complex boundary conditions. In the given case, electrical analogy enables solution of the biharmonic equation expressing the thermo-elastic stress distribution in the blade. The here described method can also be used for solving problems of unsteady temperature fields in turbine blades by means of resistance networks. (Abstracter's note: an English-language article on the subject with the title "An Analogue Study of Turbine-blade Cooling" has been published in "Technical Digest", 1960, No. 11, pp. 4 - 11.) There are 12 figures, 1 table and 35 references:

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

An Analogue Study ....

4 Czech and 31 non-Czech. The four latest English-language references are: Ref. 11 - Esgar, J.B. Turbine Cooling. Trans. ASME-Journal, Engng. for Power, July, 1959; Ref. 14 - Grootenhuis, P. The mechanism and application of effusion cooling. Journ. R.A.S. Vol.63, No.578, Feb. 1959; Ref. 15 - Hodge, R.I., Johnson, J.H. A review of blade-cooling systems. The oil engine and gas turbine, Nos. 1-3, 1958; Ref. 22 - Lang, R., Petrick, E.N. Application of electrical analogue theory in the prelimination design of air-cooled turbines. ASME gas turbine power conference, 1959. ref. No. 59-GTP-15.

ASSOCIATION: Vysoká škola strojní a elektrotechnická v Plzni (School for Mechanical and Electrical Engineering, Pilsen)

SUBMITTED: March 5, 1960

Card 5/7

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

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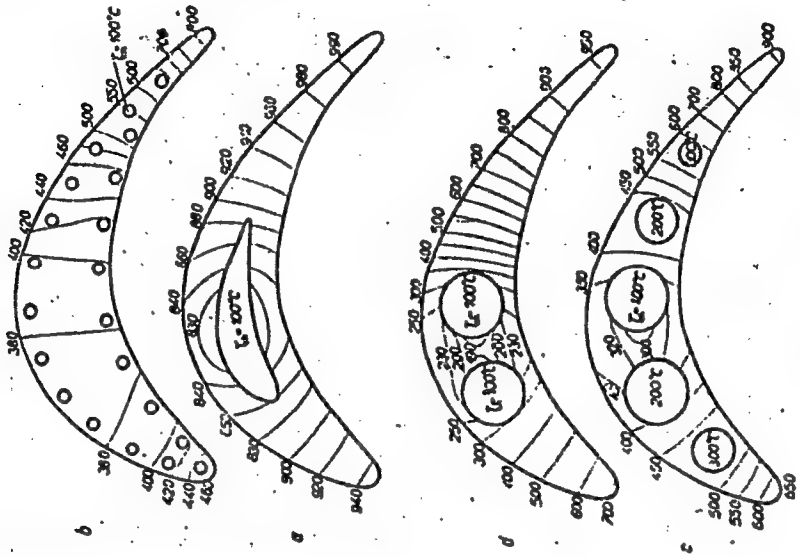
E073/E335

An Analogue Study ....

Fig. 8:



Card 6/7

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

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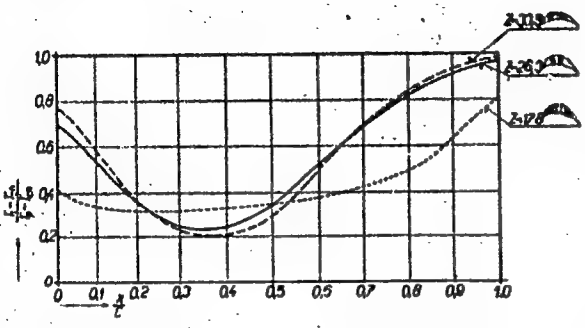
An Analogue Study ....

Fig. 9:



Card 7/7

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

ACCESSION NR: AP4031724 Z/0042/64/000/004/0213/0225

AUTHOR: Ctvrtnik, Vaclav (Engineer)

TITLE: Investigation of magnetic eddy-fields with an electric model made from conductive paper

SOURCE: Elektrotechnicky casopis, no. 4, 1964, 213-225

TOPIC TAGS: magnetic eddy field, eddy field, magnetic field, electric modelling, plane magnetic field, dissipation field, conductive paper, electromagnetism, electromagnetic field

ABSTRACT: The application of an electric analogy for the solution of flat magnetic fields including the eddy zone and its configuration is described. Special attention is given to dissipation fields in d.c. machines, but the given procedures can be easily extended to other types of electromagnetic circuits. It is shown that the modelling of flat fields on electric conductive paper gives for current cases precise enough results (1 to 3%). The model is cheap and can be quickly and cheaply made. The measuring device is also relatively small, simple and reliable. Orig. art. has: 10 graphics.

Card 1/2

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ACCESSION NR: AP4031724

ASSOCIATION: Vysoka skola strojni a elektrotechnika, Plzen (Higher School of Construction and Electrical Technology)

SUBMITTED: 15Mar63	DATE ACQ: 28Apr64	ENCL: 00	
SUB CODE: EM	NO REF SOV: 010	OTHER: 010	

Card 2/2

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CTVRTNIK, Vaclav, inz.

Cybernetic improvement of measurement apparatus. Automatizace 6 no.5:131 My '63.

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CTYROKY, P.

"Two sea anchins from the Helvetian of Western Slovakia."

p. 233 (Casopis Pro Mineralogii A Geologh. Vol. 2 no. 3, 1957, Czchoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, No. 2
February 1958

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CTYROKY, P.

"Preliminary report on the paleontologic revision research, at Jaklovec in Ostrava."

p. 71 (Central Geologic Institute, Czechoslovak Academy of Sciences) Vol.33, no. 1, 1958

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 5, May 1958

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CTYROKY, Pavel

SURNAME (in caps); Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: Central Institute of Geology (Ustredni ustav geologicky), Prague.

Source: Prague, Vestnik Ustredniho Ustavu Geologickeho, Vol XXXI, No 2, March 1961, pp 141-143.

Data: "Revision of the Aquitanian Fauna From Velke Pavlovice in Moravia."

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CTYROKY, P.

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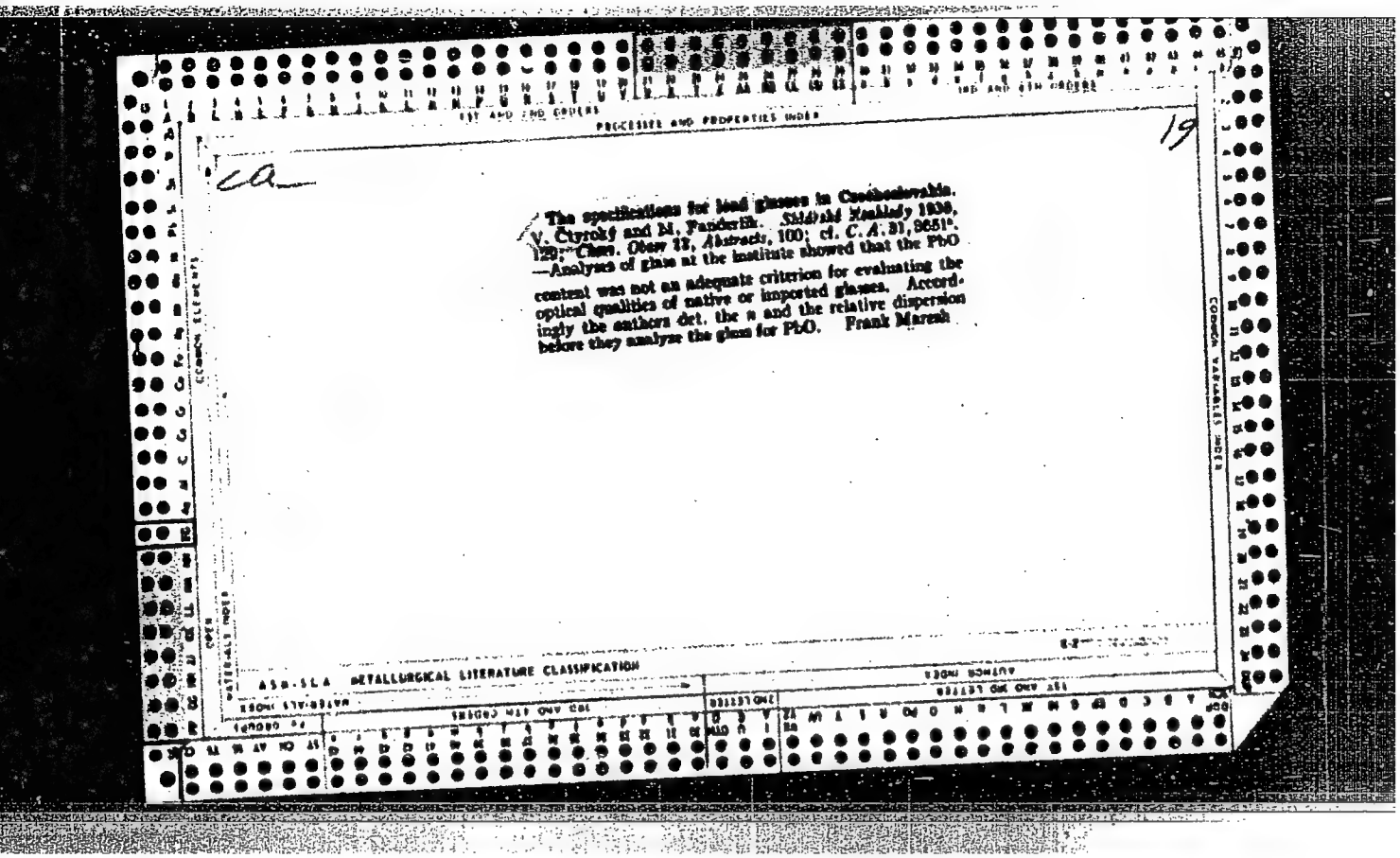

The specifications for lead glasses in Czechoslovakia. V. Čtyroký and M. Panderlík. *Silikátová Technika* 1930, 129; *Chem. Obzor* 12, *Abstracts*, 100; cf. *C. A.* 31, 9651⁸. —Analyses of glass at the institute showed that the PbO content was not an adequate criterion for evaluating the optical qualities of native or imported glasses. Accordingly the authors det. the *n* and the relative dispersion before they analyze the glass for PbO. Frank Marash

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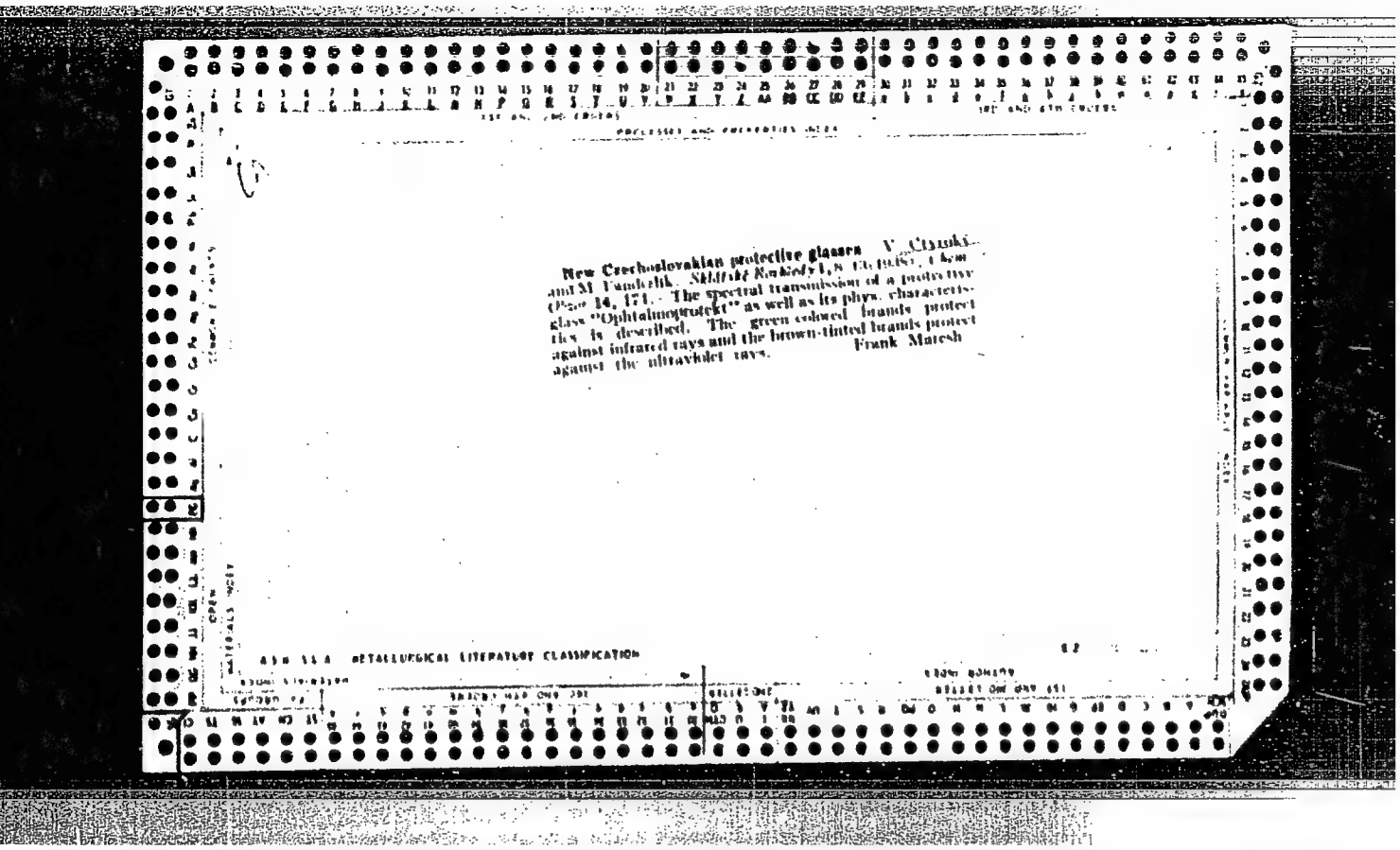

New Czechoslovakian protective glasses V. Cranki and M. Pandelik. *Sklářské Rozhledy* 1, 8 (1971). 4 pp. (Czech). The spectral transmission of a protective glass "Ophtalmoprotekt" as well as its phys. characteristics is described. The green colored brands protect against infrared rays and the brown-tinted brands protect against the ultraviolet rays. Frank Marsh

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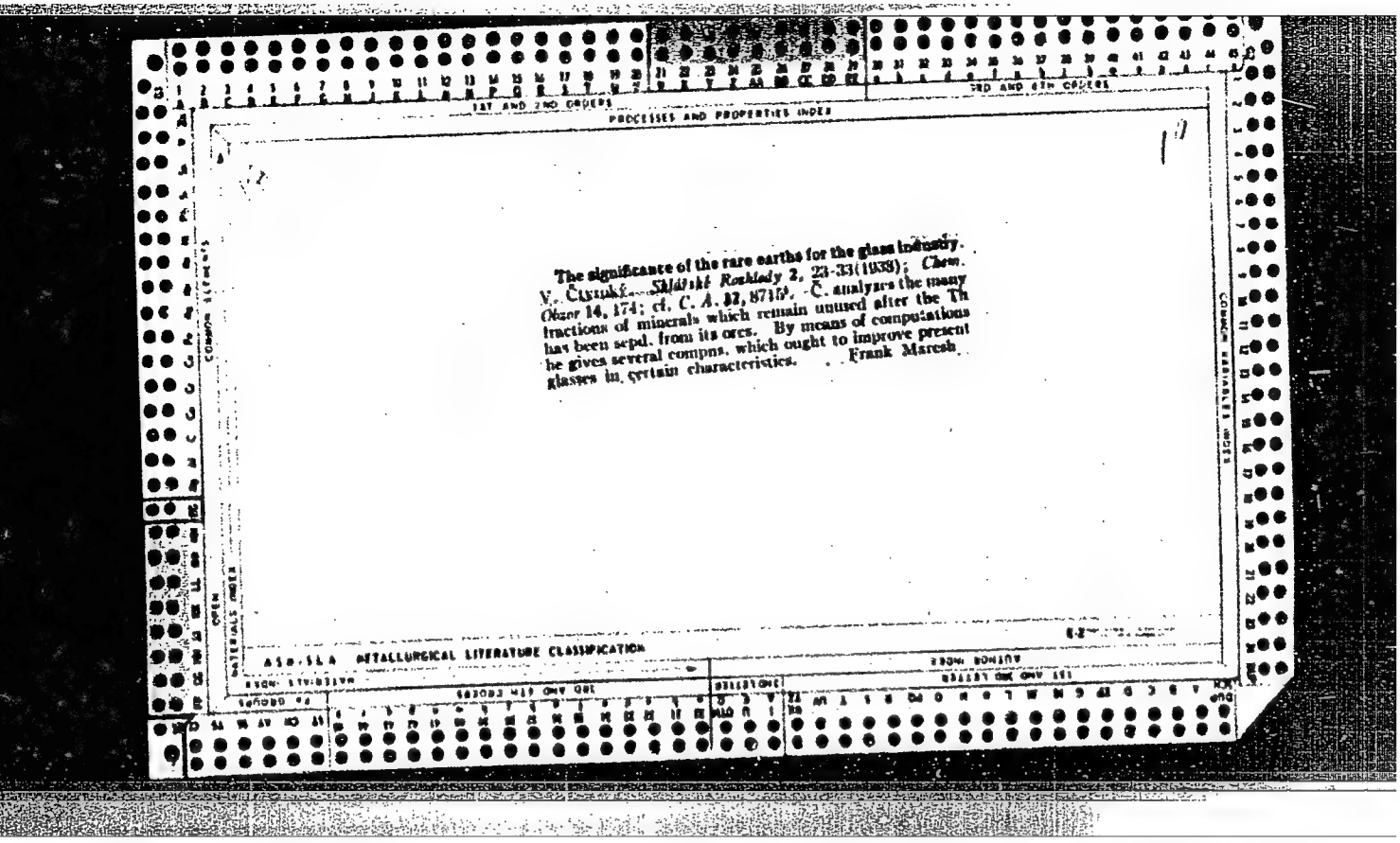

The significance of the rare earths for the glass industry. V. Cimbulka. *Sklářské Rozhledy* 2, 23-33(1933); *Chem. Obzor* 14, 174; cf. *C. A.* 32, 8715⁹. C. analyzes the many fractions of minerals which remain unused after the Th has been sepd. from its ores. By means of computations he gives several compns. which ought to improve present glasses in certain characteristics. . . Frank Marcus

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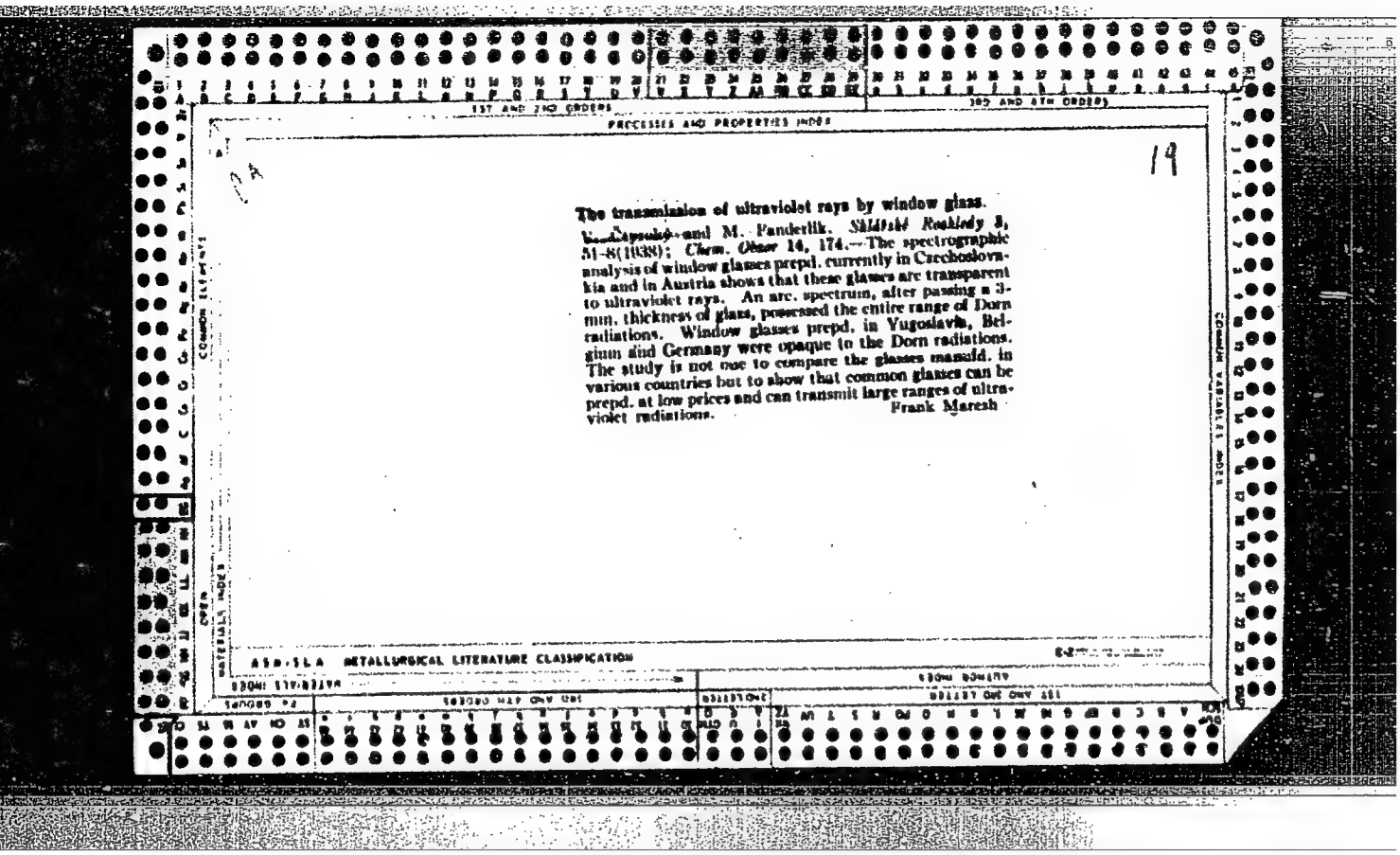

PROCESSES AND PROPERTIES INDEX

19

The transmission of ultraviolet rays by window glass.

[redacted] and M. Panderlik. *Sklářské Rozhledy* **3**, 31-8(1938); *Chem. Obzor* **14**, 174.—The spectrographic analysis of window glasses prepd. currently in Czechoslovakia and in Austria shows that these glasses are transparent to ultraviolet rays. An arc. spectrum, after passing a 3-mm. thickness of glass, possessed the entire range of Dorn radiations. Window glasses prepd. in Yugoslavia, Belgium and Germany were opaque to the Dorn radiations. The study is not one to compare the glasses manufd. in various countries but to show that common glasses can be prepd. at low prices and can transmit large ranges of ultraviolet radiations.

Frank Mareah

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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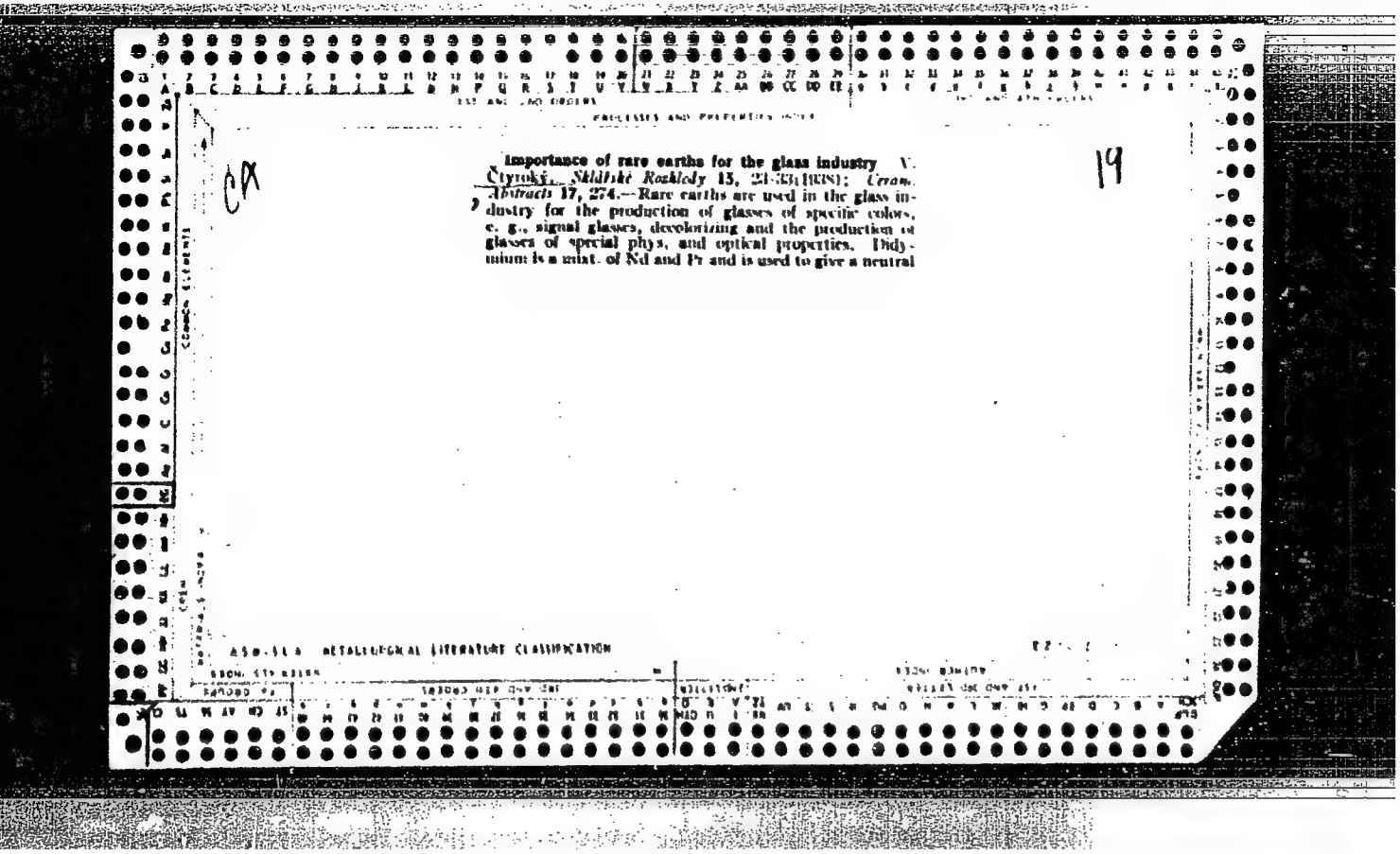

Importance of rare earths for the glass industry V. Čtyroký. *Sklářské Rozhledy* 13, 21-33 (1933); *Ceram. Abstracts* 17, 274.—Rare earths are used in the glass industry for the production of glasses of specific colors, e. g., signal glasses, decolorizing and the production of glasses of special phys. and optical properties. Didymium is a mixt. of Nd and Pr and is used to give a neutral

CA

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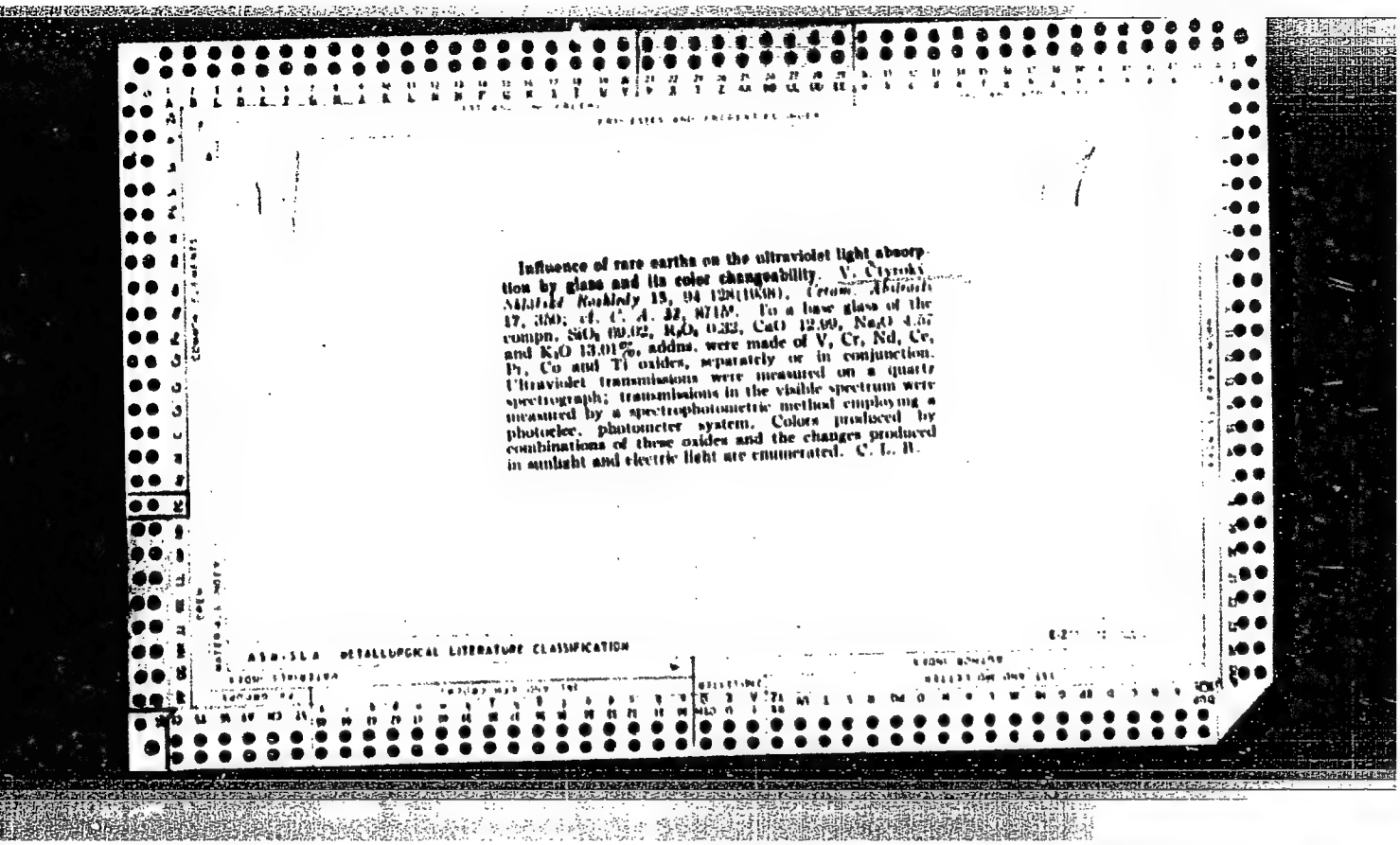

Influence of rare earths on the ultraviolet light absorption by glass and its color changeability. V. Ctyroký. *Silikát. Rozhledy* 15, 94-128(1950). *Ceram. Abstracts* 17, 300; cf. *C. A.* 32, 8715⁹. To a base glass of the compn. SiO_2 69.02, B_2O_3 0.33, CaO 12.99, Na_2O 4.57 and K_2O 13.01%, addns. were made of V, Cr, Nd, Ce, Pr, Co and Ti oxides, separately or in conjunction. Ultraviolet transmissions were measured on a quartz spectrograph; transmissions in the visible spectrum were measured by a spectrophotometric method employing a photocell. photometer system. Colors produced by combinations of three oxides and the changes produced in sunlight and electric light are enumerated. C. L. H.

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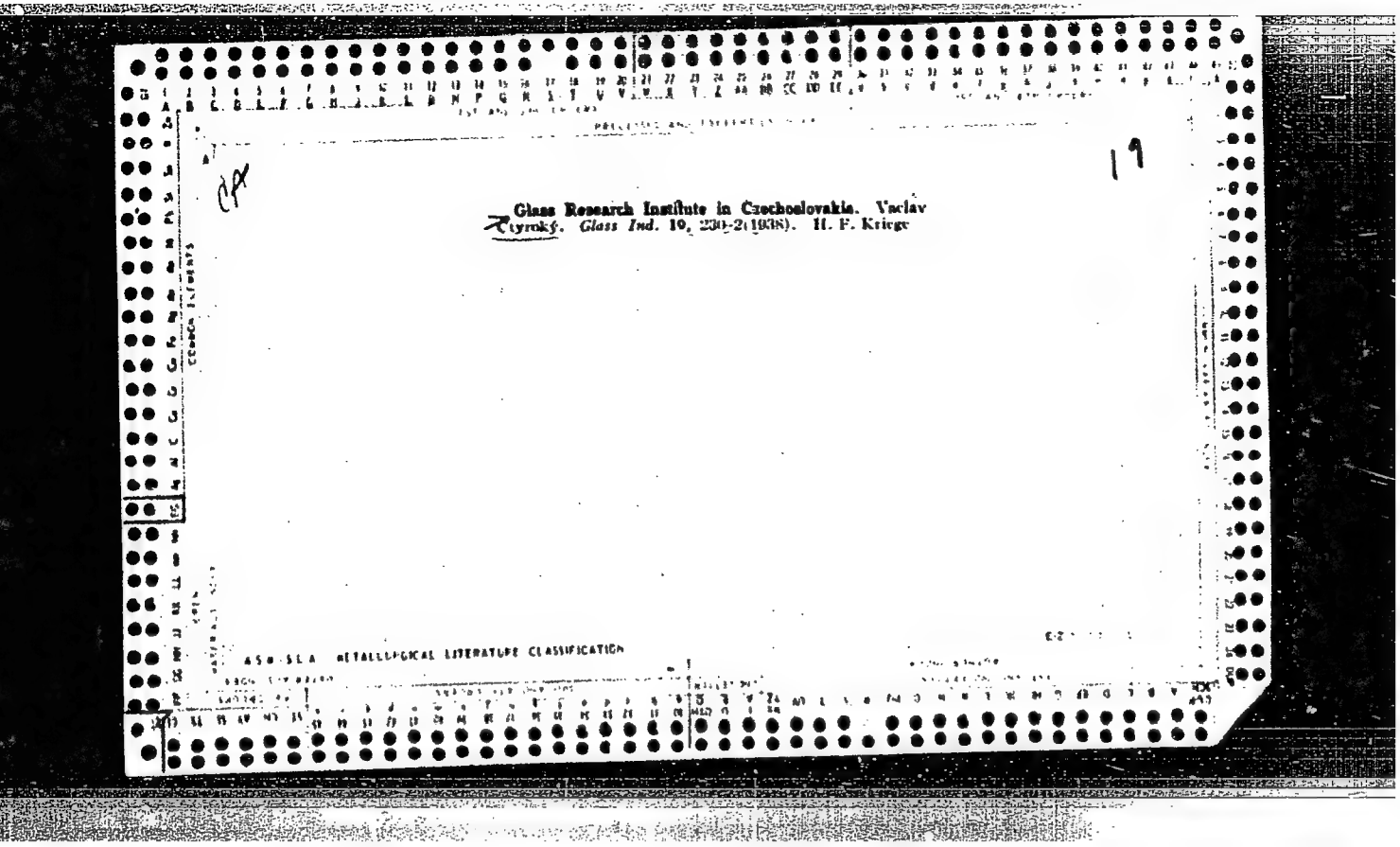

Glass Research Institute in Czechoslovakia. Vaclav Tyrokŷ. *Glass Ind.* 19, 230-2(1938). H. F. Kriege

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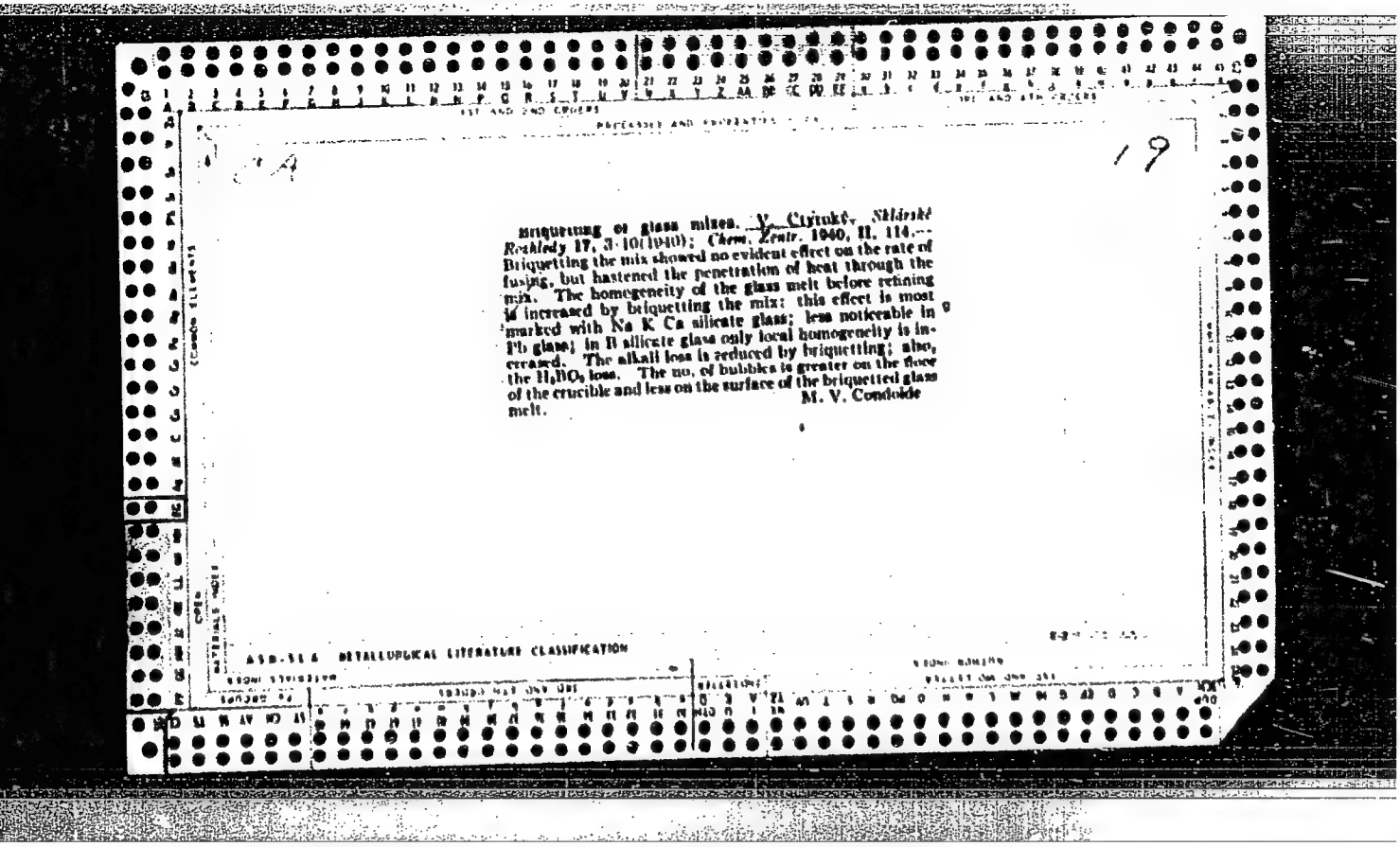

19

briquetting of glass mixes. V. Čtyroký. *Silikátové Rozhledy* 17, 3–10(1940); *Chem. Zentr.* 1940, II, 114.—Briquetting the mix showed no evident effect on the rate of fusing, but hastened the penetration of heat through the mix. The homogeneity of the glass melt before refining is increased by briquetting the mix: this effect is most marked with Na K Ca silicate glass; less noticeable in Pb glass; in B silicate glass only local homogeneity is increased. The alkali loss is reduced by briquetting; also the H_3BO_3 loss. The no. of bubbles is greater on the floor of the crucible and less on the surface of the briquetted glass melt.

M. V. Condoide

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

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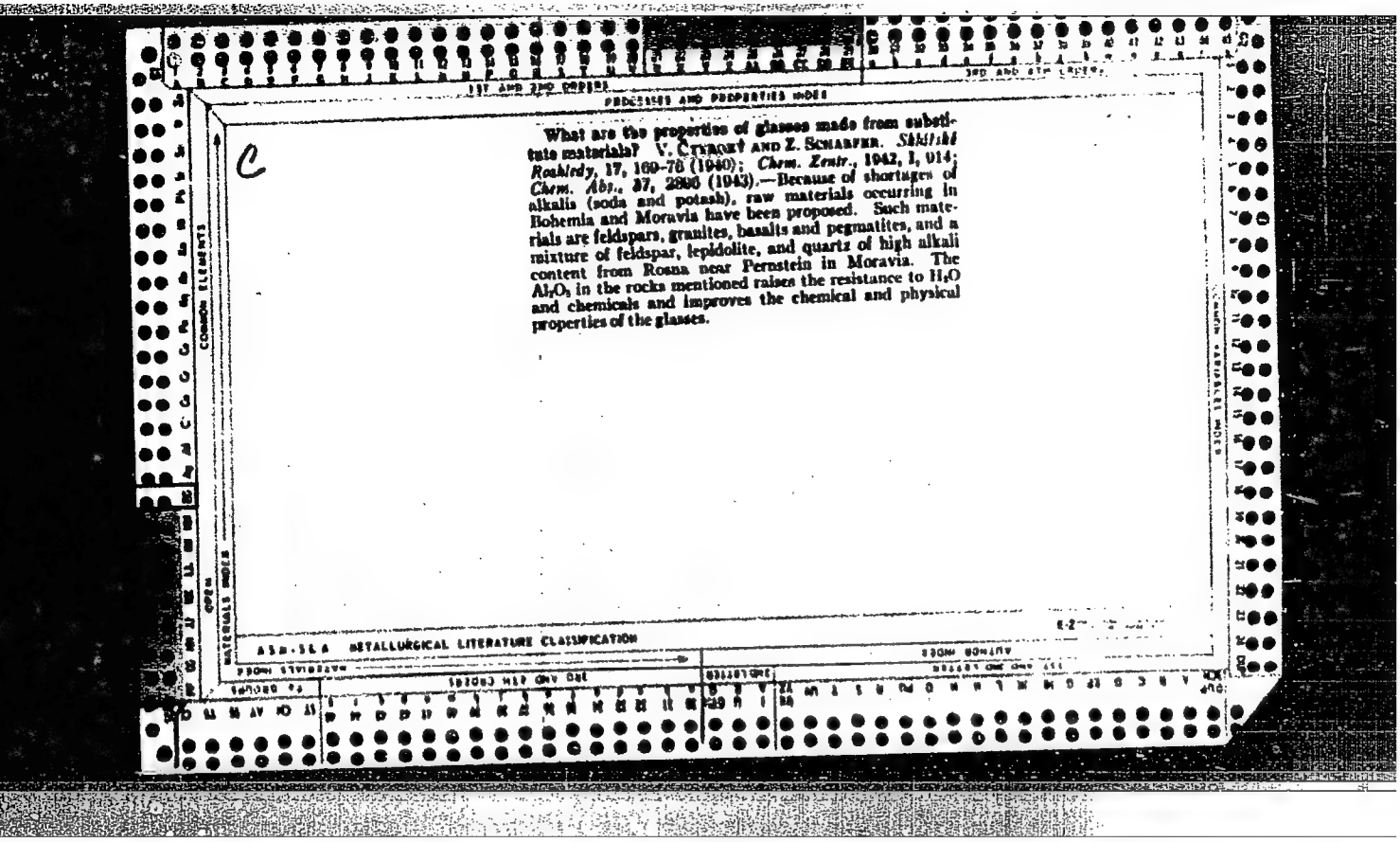

What are the properties of glasses made from substitute materials? V. Cyrkov and Z. Schaffer. *Sklářské Rozhledy*, 17, 169–76 (1940); *Chem. Zentr.*, 1942, I, 914; *Chem. Abs.*, 37, 2896 (1943).—Because of shortages of alkalis (soda and potash), raw materials occurring in Bohemia and Moravia have been proposed. Such materials are feldspars, granites, basalts and pegmatites, and a mixture of feldspar, lepidolite, and quartz of high alkali content from Rosna near Pernstein in Moravia. The Al_2O_3 in the rocks mentioned raises the resistance to H_2O and chemicals and improves the chemical and physical properties of the glasses.

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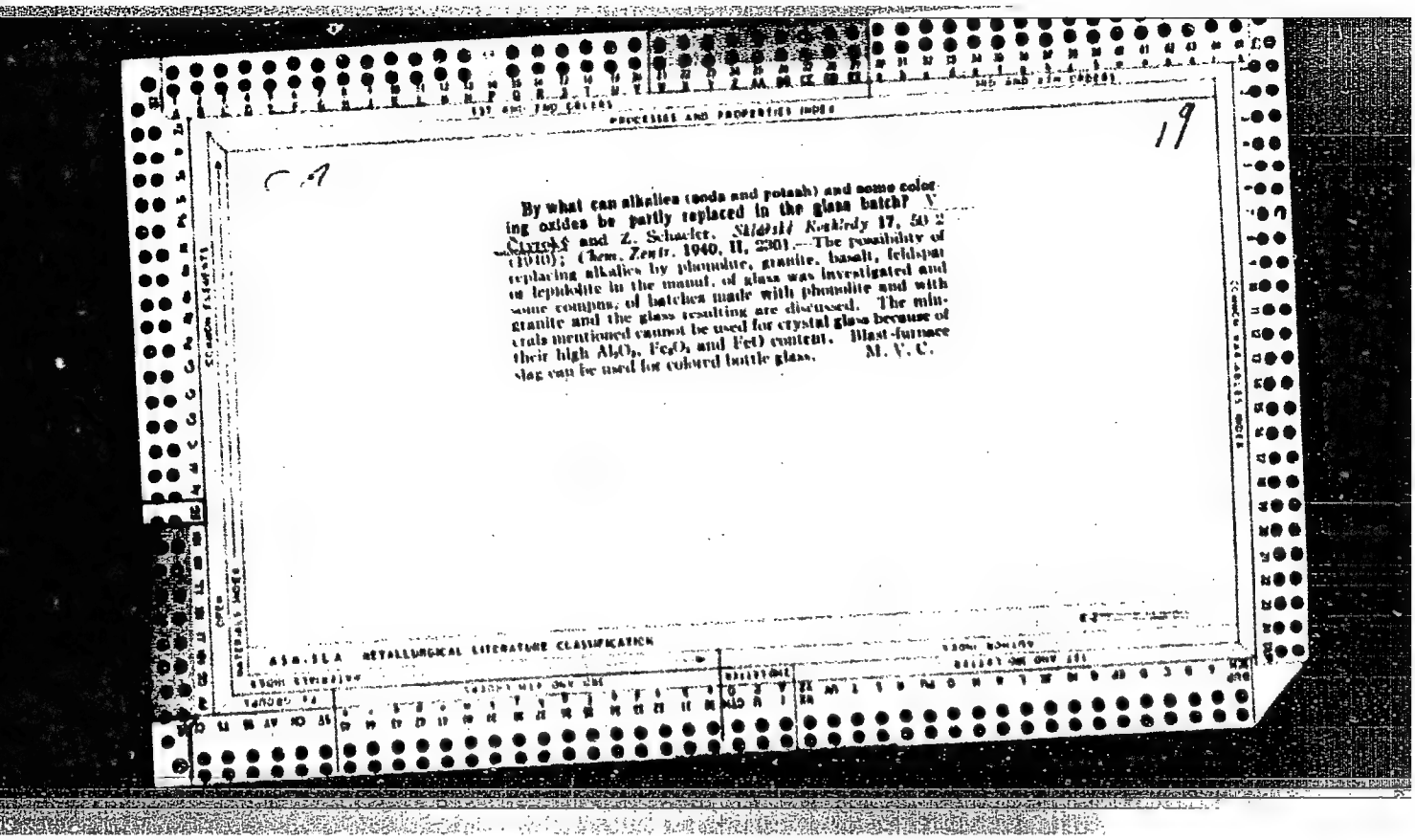

By what can alkalies (soda and potash) and some color-
ing oxides be partly replaced in the glass batch? V
Czyssek and Z. Schaefer. *Silikat Zeitschr.* 17, 50 (1940); (*Chem. Zentr.* 1940, II, 2301).—The possibility of replacing alkalies by phonolite, granite, basalt, feldspar or lepidolite in the manuf. of glass was investigated and some compns. of batches made with phonolite and with granite and the glass resulting are discussed. The minerals mentioned cannot be used for crystal glass because of their high Al_2O_3, Fe_2O_3 and FeO content. Blast-furnace slag can be used for colored bottle glass. M. V. C.

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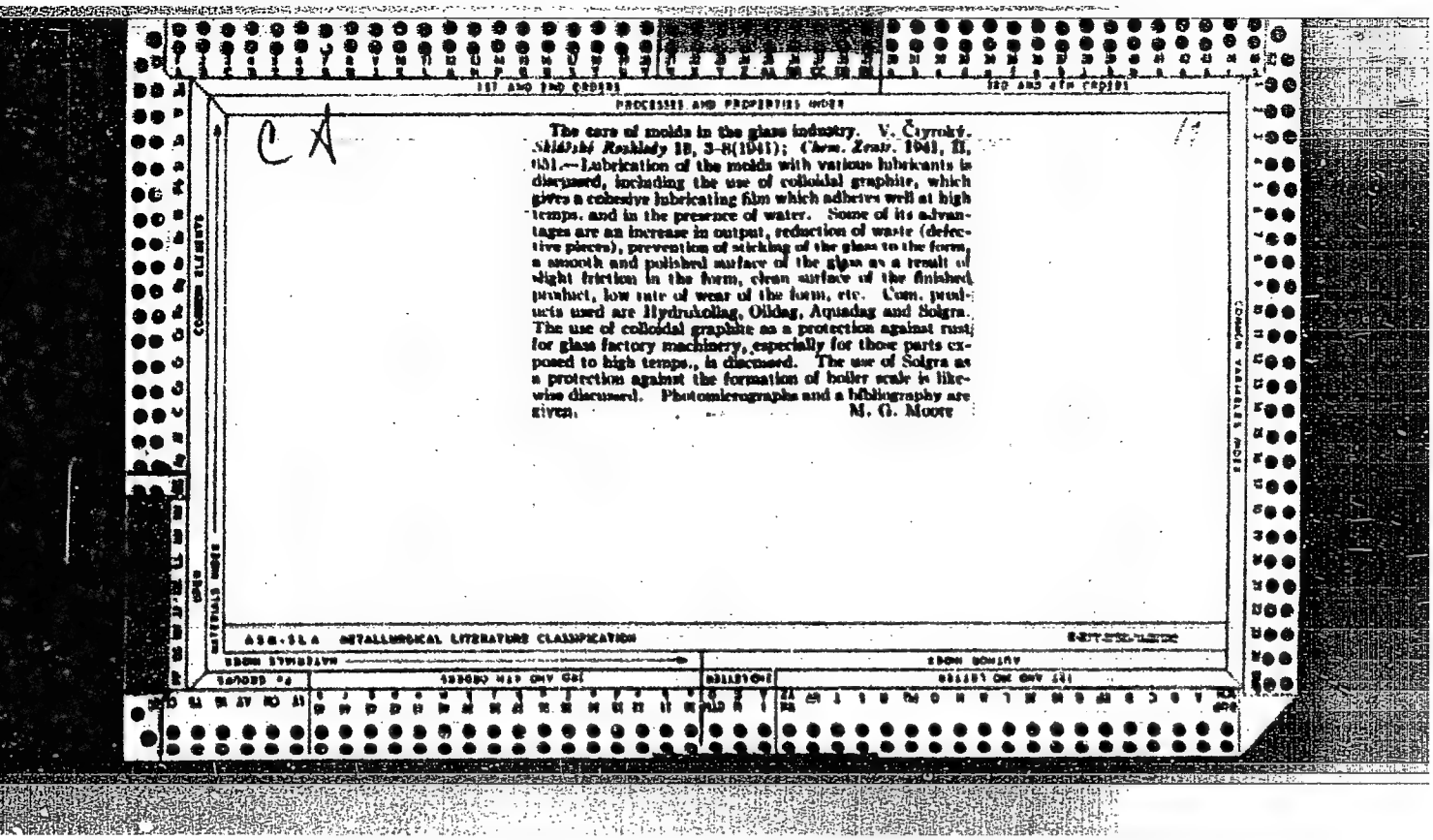

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The care of molds in the glass industry. V. Čtyroký. *Skláři a Keramik* 18, 3-8(1941); *Chem. Zentr.* 1941, II, 1351.—Lubrication of the molds with various lubricants is discussed, including the use of colloidal graphite, which gives a cohesive lubricating film which adheres well at high temps. and in the presence of water. Some of its advantages are an increase in output, reduction of waste (defective pieces), prevention of sticking of the glass to the form, a smooth and polished surface of the glass as a result of slight friction in the form, clean surface of the finished product, low rate of wear of the form, etc. Com. products used are Hydrokolloid, Oildag, Aquadag and Solgra. The use of colloidal graphite as a protection against rust for glass factory machinery, especially for those parts exposed to high temps., is discussed. The use of Solgra as a protection against the formation of boiler scale is likewise discussed. Photomicrographs and a bibliography are given.

M. G. Moore

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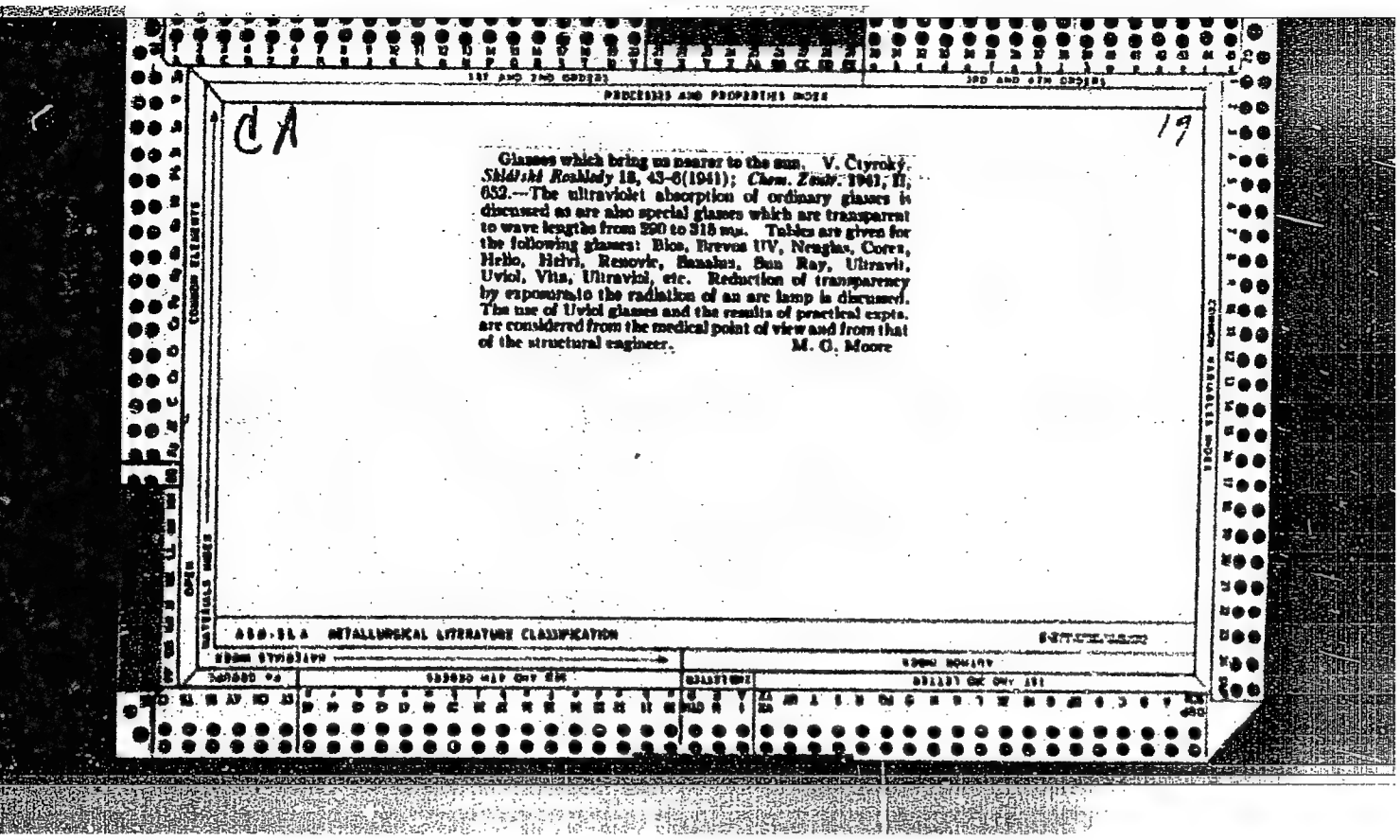

CA 19

Glasses which bring us nearer to the sun. V. Čtyroký. *Shklářská Rozhledy* 18, 43-6(1941); *Chem. Zentr.* 1943, II, 652.—The ultraviolet absorption of ordinary glasses is discussed as are also special glasses which are transparent to wave lengths from 290 to 315 mμ. Tables are given for the following glasses: Bios, Brevos IIV, Neoglas, Corex, Helio, Helvi, Removir, Sanalux, Sun Ray, Ultravit, Uviol, Vita, Ultravini, etc. Reduction of transparency by exposure to the radiation of an arc lamp is discussed. The use of Uviol glasses and the results of practical expts. are considered from the medical point of view and from that of the structural engineer. M. G. Moore

A50-51A METALLURGICAL LITERATURE CLASSIFICATION

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A.E.S.

Glass

Glasses colored with Nd_2O_3, Pr_6O_{11}, and selenium. V. CITRON. *Glastech. Ber.*, 20 [4] 102-107 (1942); *Silikat Rundschau*, 19 [8] 7 pp. (1943).—The dichroism of various glasses containing neodymium, praseodymium, and selenium is expressed by the variation of the difference between the ratios

$\frac{a}{b}$ = area under transmission curve from 5800 to 7000 a.u.

$\frac{a}{b}$ = area under transmission curve from 4000 to 5800 a.u.

for thicknesses of 20 and 5 mm. The addition of selenium to praseodymium glasses causes an increasing positive difference a/b (20 mm.) — a/b (5 mm.); in glasses containing praseodymium only, this difference is negative. The addition of selenium to neodymium glasses causes an increase of the positive difference a/b (10 mm.) — a/b (5 mm.). When commercial didymium oxide containing both Nd_2O_3 and Pr_6O_{11} was used, dichroism was not affected as favorably, but the intensity of coloration was increased. Compositions and transmission curves of 15 glasses of 3 thicknesses are given. *Glastech. Ber.*, 21 [7, 8] 170-73 (1943).

Silikat Rundschau, 20 [9, 10] 5 pp. (1943).—The highest amount of selenium that could be introduced by $BaSeO_3$ into a batch containing 430 sand, 128 limestone, 180 potash (73% K_2CO_3, 9% H_2O, 2% K_2SO_4, 3% KCl), 5 saltpeter, and 2 gm. arsenic was 0.115%. The coloration was increased by adding rare earths in a larger amount than that corresponding to the additive effect of selenium and the rare earths, provided the selenium content was at least 0.04%. C. concludes that the equilibrium of colored and colorless forms of selenium is shifted to the colored form by rare earths, but that below 0.04, selenium is present mostly in its colored form.

N.J.K.

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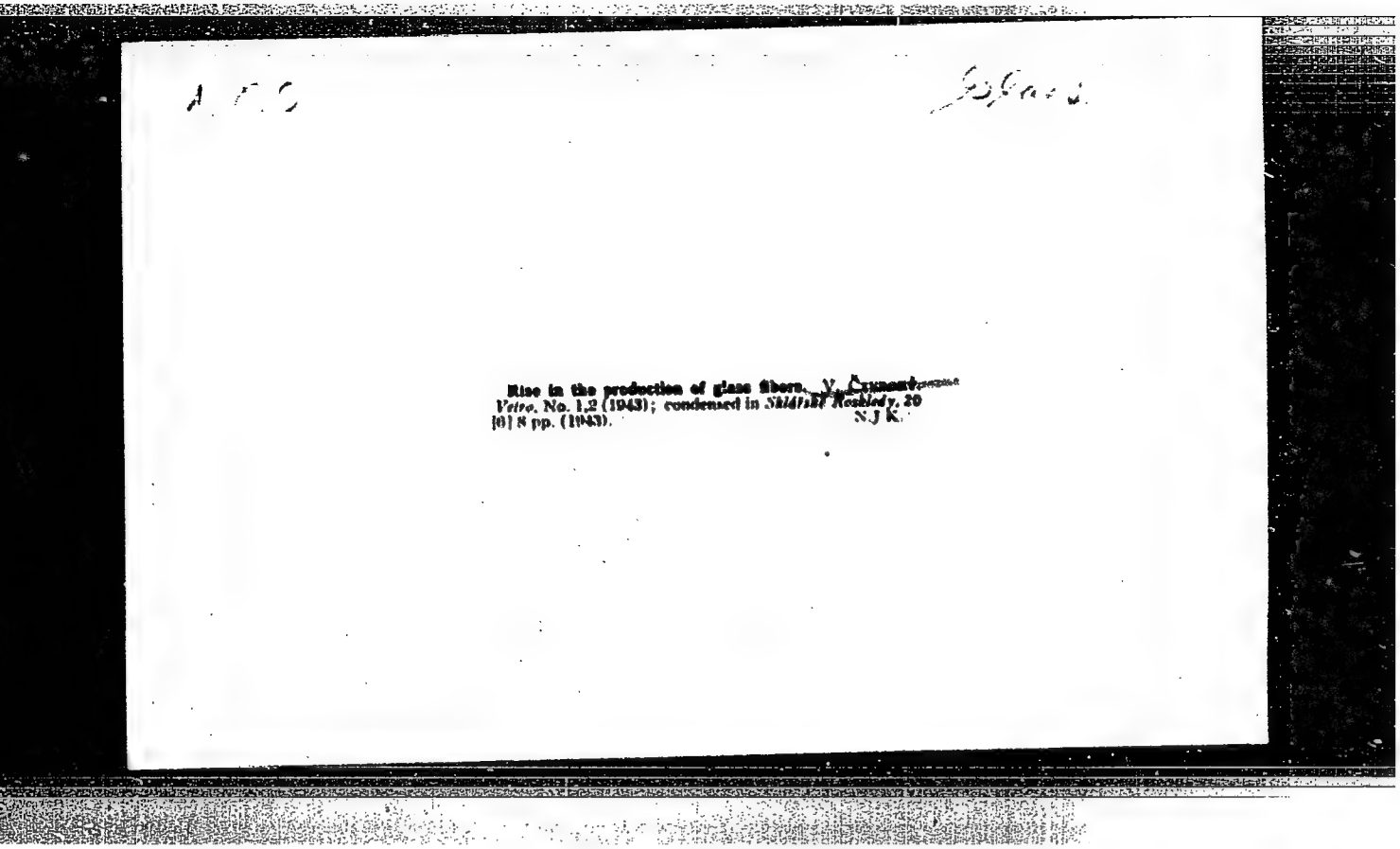

Rise in the production of glass fibers. V. Cranmer.
Vetro, No. 1,2 (1943); condensed in *Silicate Industry*, 20
[8] 8 pp. (1943). N.J.K.

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

A.C.S.

Glass 5

Effect of chemical composition on the coloration of glasses colored with neodymium oxide. V. Cyrnert.

Shklyarkl Rosklady, 20, 81–85 (1943); abstracted in *Chem. Zentr.*, 1943, II [13] 1219.—The following glasses colored with neodymium oxide were investigated with regard to change of color under different spectral illumination (daylight, incandescent lamps) and at different thicknesses: lead glass (I), 66 SiO_2, 20.0 PbO, 1.3 Na_2O, 13.2% K_2O; baryta glass (II), 66.0 SiO_2, 20.0 BaO, 1.3 Na_2O, 13.2% K_2O; zinc glass (III), 66.0 SiO_2, 20.0 ZnO, 1.3 Na_2O, 13.2% K_2O; borosilicate glass (IV), 60.0 SiO_2, 12.3 B_2O_3, 7.1 CaO, 1.6 Na_2O, 17.8% K_2O; lime glass (V), 68.0 SiO_2, 10.0 CaO, 5.0 Na_2O, 16.8% K_2O; all glasses contained 1.5% Nd_2O_3, were 10 mm. thick, and were polished for spectrophotometric measurements. In the range of 400 to 600 mμ, the glasses show increasing absorption in the order V, IV, II, I, III; the same holds good for the range 600 to 720 mμ with slight differences. The absorption maxima and minima between 560 and 600 mμ also show differences, a higher maximum at 570, a lower one at 590, and a minimum at 580 mμ; the differences between maximum and minimum are greatest in V and least in III. The sudden color change from 5 to 30 mm. glass thickness took place in decreasing degree in the order V, IV, II, I, III. The sudden color change under daylight to incandescent light is strongest in V and weakest in III. The III glasses, however, are always most intensely colored and the V glasses the most weakly, the order being III, I, II, IV, V. M.Ha.

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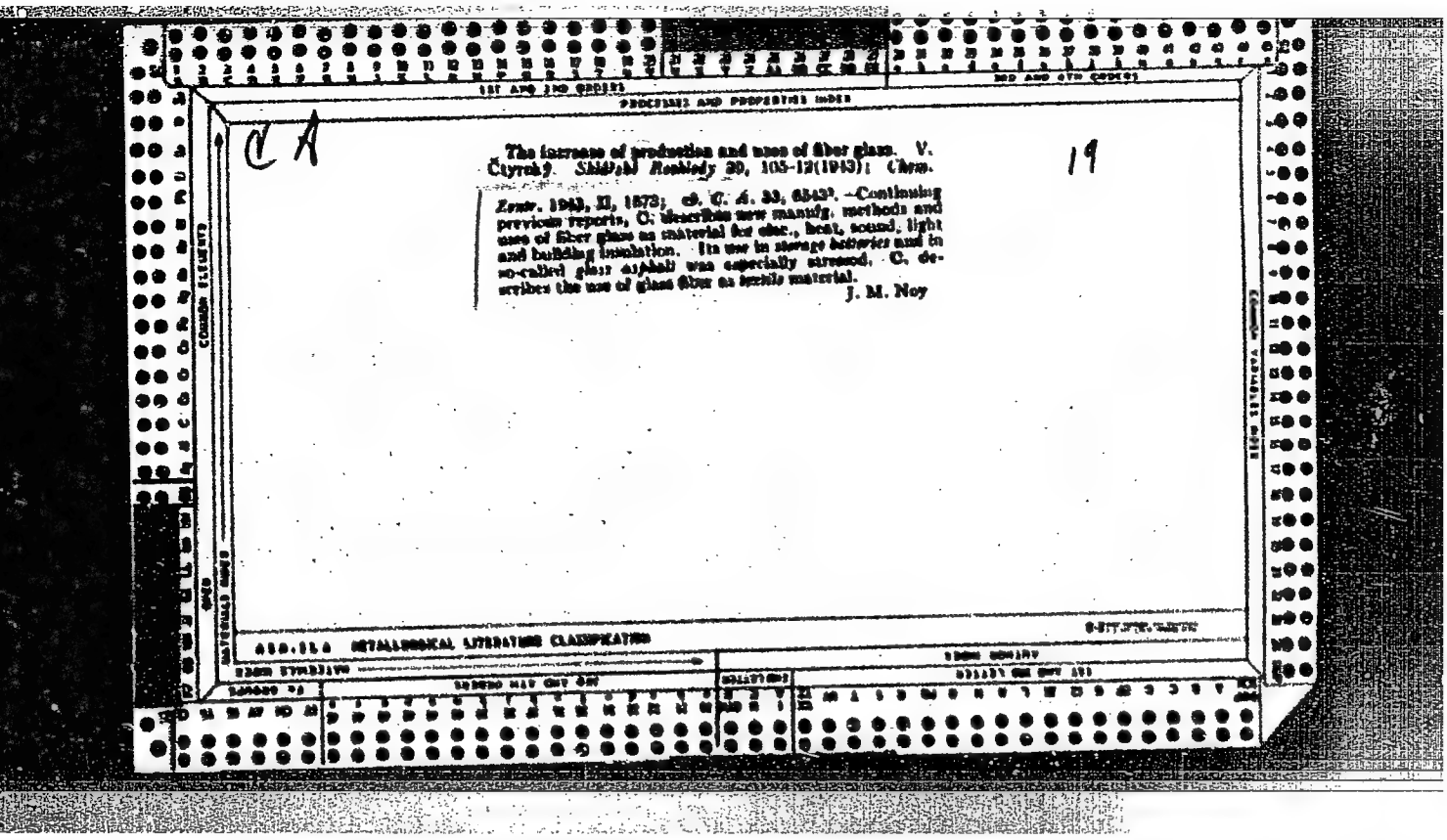

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19

The increase of production and uses of fiber glass. V. Čtyroký. *Sklář a Keramik* 20, 105-12(1949); *Chem. Zentr.* 1949, II, 1573; *cf. C. A.* 33, 6343⁹. —Continuing previous reports, C. describes new manufg. methods and uses of fiber glass as material for elec., heat, sound, light and building insulation. Its use in storage batteries and in so-called glass asphalt was especially stressed. C. describes the use of glass fiber as textile material.

J. M. Noy

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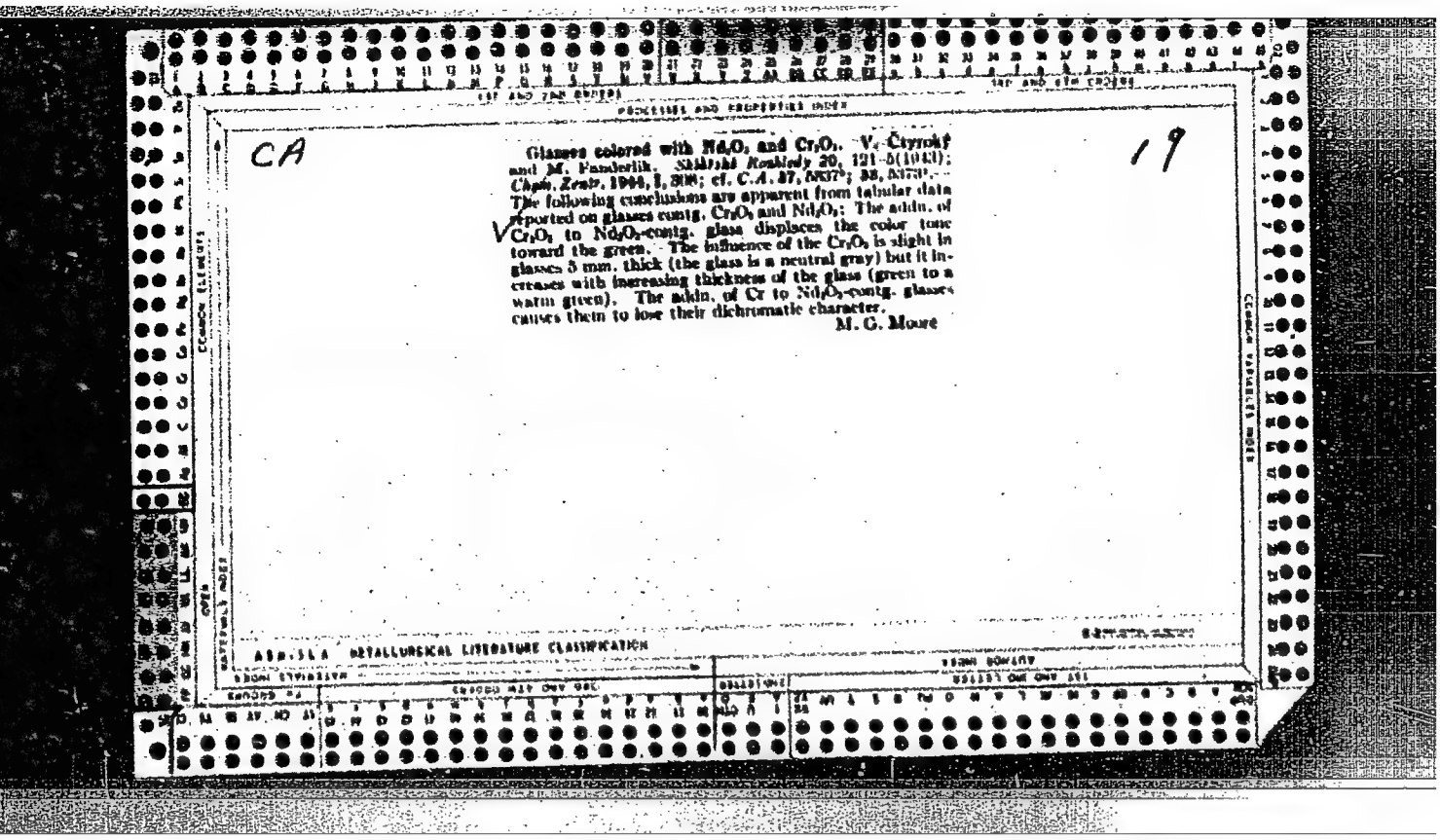

CA

19

Glasses colored with Nd_2O_3 and Cr_2O_3. V. Čtyroký and M. Pauderlík. *Sklářské Rozhledy* 20, 121–5(1943); *Chem. Zentr.* 1944, I, 308; cf. *C.A.* 37, 5837⁹; 38, 5173⁸.—The following conclusions are apparent from tabular data reported on glasses contg. Cr_2O_3 and Nd_2O_3: The addn. of Cr_2O_3 to Nd_2O_3-contg. glass displaces the color tone toward the green. The influence of the Cr_2O_3 is slight in glasses 5 mm. thick (the glass is a neutral gray) but it increases with increasing thickness of the glass (green to a warm green). The addn. of Cr to Nd_2O_3-contg. glasses causes them to lose their dichromatic character.

M. G. Moore

A59-5L4 METALLURGICAL LITERATURE CLASSIFICATION

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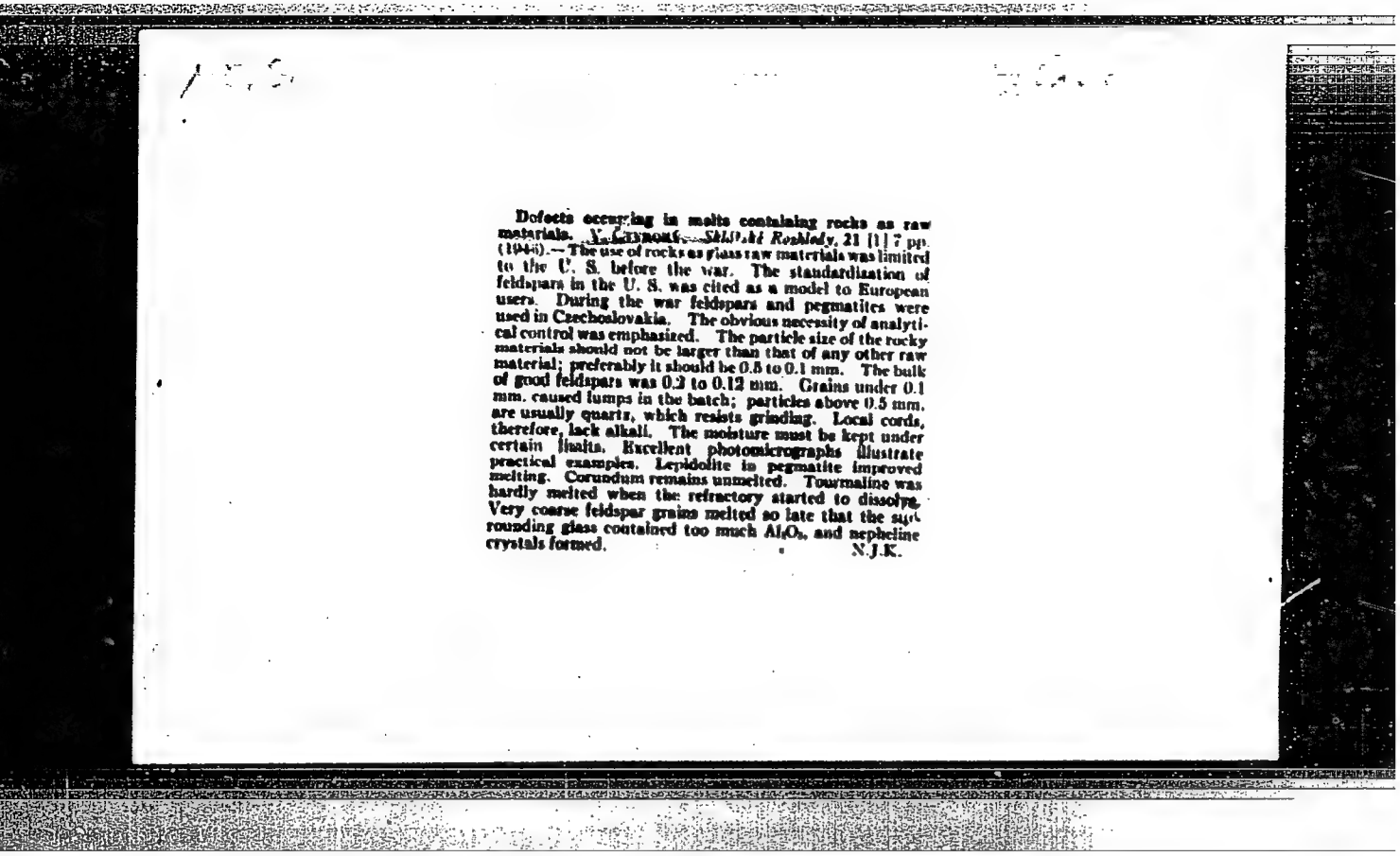

Defects occurring in melts containing rocks as raw materials. V. [illegible] *Sklářské Rozhledy*, 21 [1] 7 pp. (1944).—The use of rocks as glass raw materials was limited to the U. S. before the war. The standardization of feldspars in the U. S. was cited as a model to European users. During the war feldspars and pegmatites were used in Czechoslovakia. The obvious necessity of analytical control was emphasized. The particle size of the rocky materials should not be larger than that of any other raw material; preferably it should be 0.5 to 0.1 mm. The bulk of good feldspars was 0.2 to 0.12 mm. Grains under 0.1 mm. caused lumps in the batch; particles above 0.5 mm. are usually quartz, which resists grinding. Local cords, therefore, lack alkali. The moisture must be kept under certain limits. Excellent photomicrographs illustrate practical examples. Lepidolite in pegmatite improved melting. Corundum remains unmelted. Tourmaline was hardly melted when the refractory started to dissolve. Very coarse feldspar grains melted so late that the surrounding glass contained too much Al_2O_3, and nepheline crystals formed. N.J.K.

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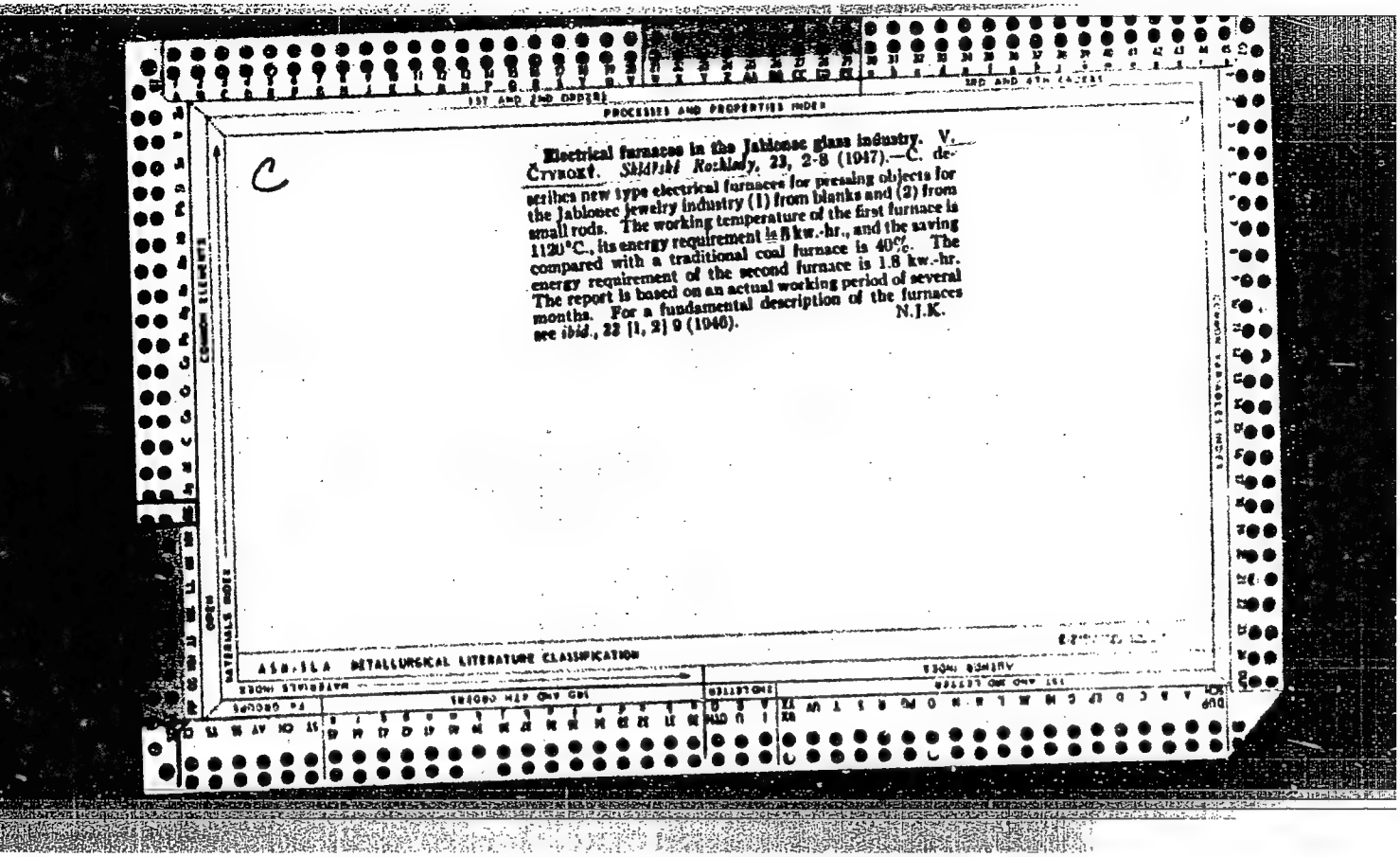
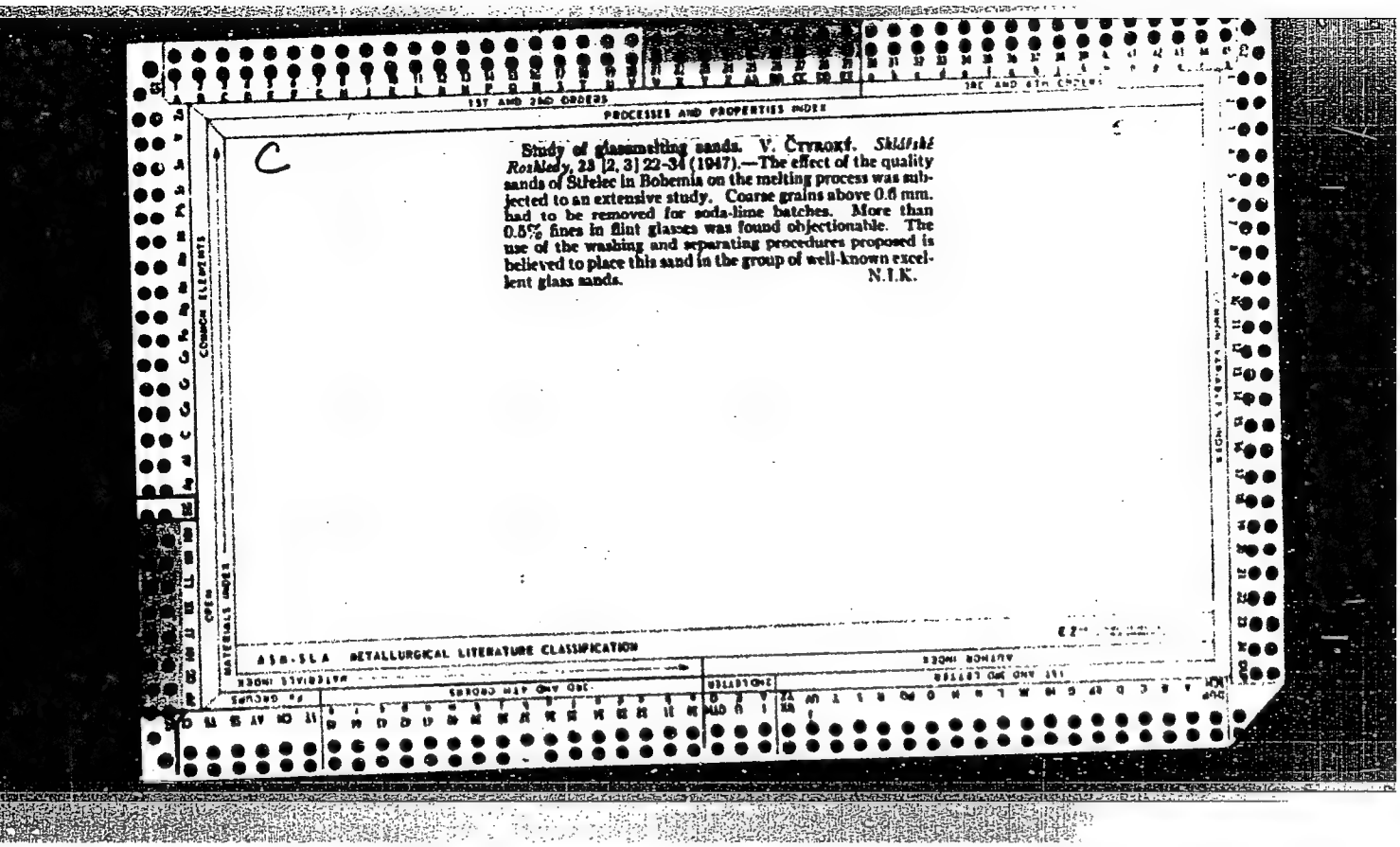


C

Electrical furnaces in the Jablonec glass industry. V. Cyroňt. *Skláŕské Rozhledy*, 23, 2-8 (1947).—C. describes new type electrical furnaces for pressing objects for the Jablonec jewelry industry (1) from blanks and (2) from small rods. The working temperature of the first furnace is 1120°C., its energy requirement is 5 kw.-hr., and the saving compared with a traditional coal furnace is 40%. The energy requirement of the second furnace is 1.8 kw.-hr. The report is based on an actual working period of several months. For a fundamental description of the furnaces see *ibid.*, 22 [1, 2] 9 (1946). N.J.K.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942



PROCESSES AND PROPERTIES INDEX

C

Study of glassmelting sands. V. Čtyroký. *Skláŕské Rozhledy*, 23 [2, 3] 22-34 (1947).—The effect of the quality sands of Sítelec in Bohemia on the melting process was subjected to an extensive study. Coarse grains above 0.6 mm. had to be removed for soda-lime batches. More than 0.5% fines in flint glasses was found objectionable. The use of the washing and separating procedures proposed is believed to place this sand in the group of well-known excellent glass sands. N.I.K.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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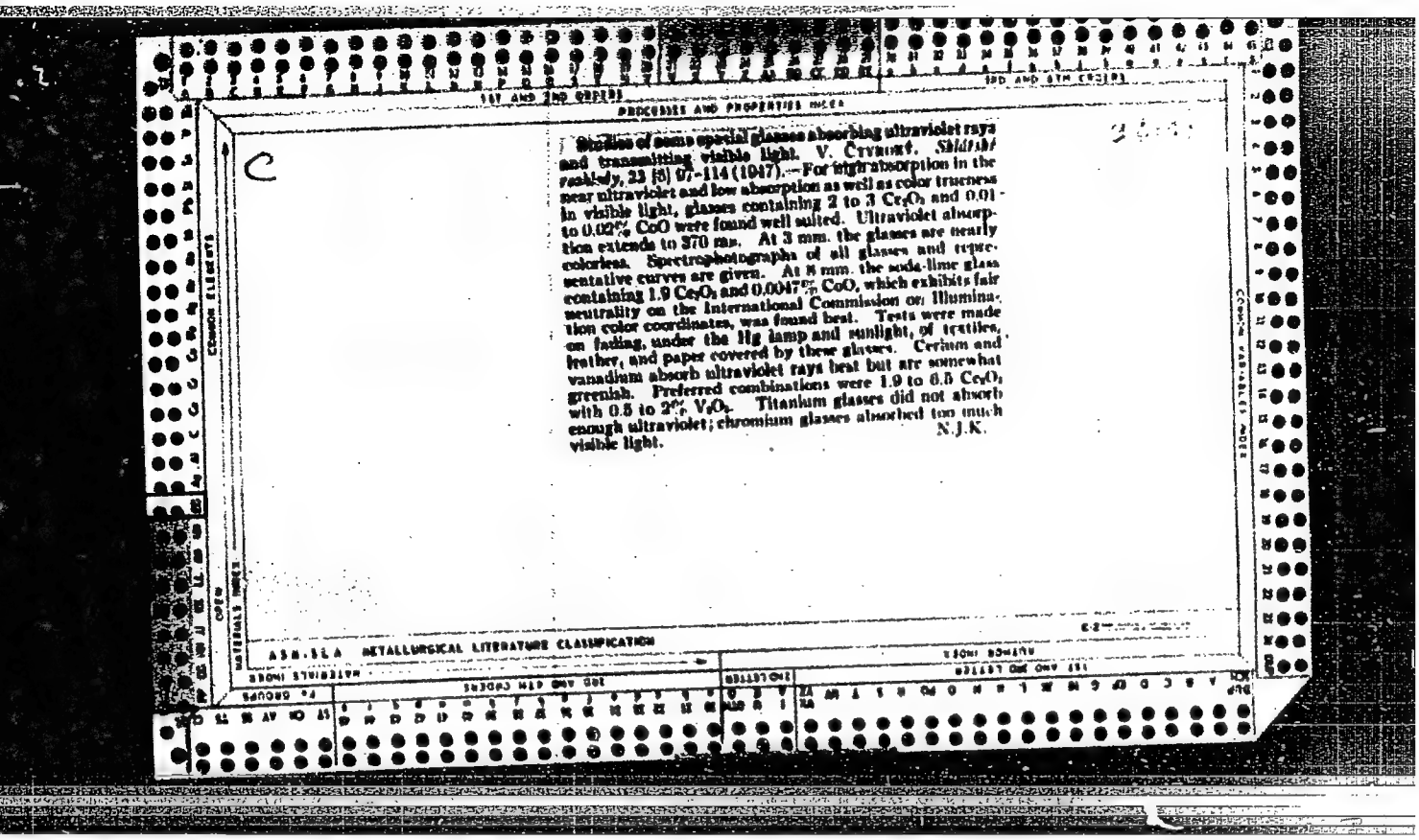
"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942



Studies of some special glasses absorbing ultraviolet rays and transmitting visible light. V. Cryumet. *Shkla i keramika*, 23 [3] 97–114 (1947).—For infra-absorption in the near ultraviolet and low absorption as well as color trueness in visible light, glasses containing 2 to 3 Ce_2O_3 and 0.01 to 0.02% CoO were found well suited. Ultraviolet absorption extends to 370 mμ. At 3 mm. the glasses are nearly colorless. Spectrophotographs of all glasses and respective curves are given. At 8 mm. the soda-lime glass containing 1.9 Ce_2O_3 and 0.0047% CoO, which exhibits fair neutrality on the International Commission on Illumination color coordinates, was found best. Tests were made on fading, under the Hg lamp and sunlight, of textiles, leather, and paper covered by these glasses. Cerium and vanadium absorb ultraviolet rays best but are somewhat greenish. Preferred combinations were 1.9 to 0.5 Ce_2O_3 with 0.5 to 2% V_2O_5. Titanium glasses did not absorb enough ultraviolet; chromium glasses absorbed too much visible light. N.J.K.

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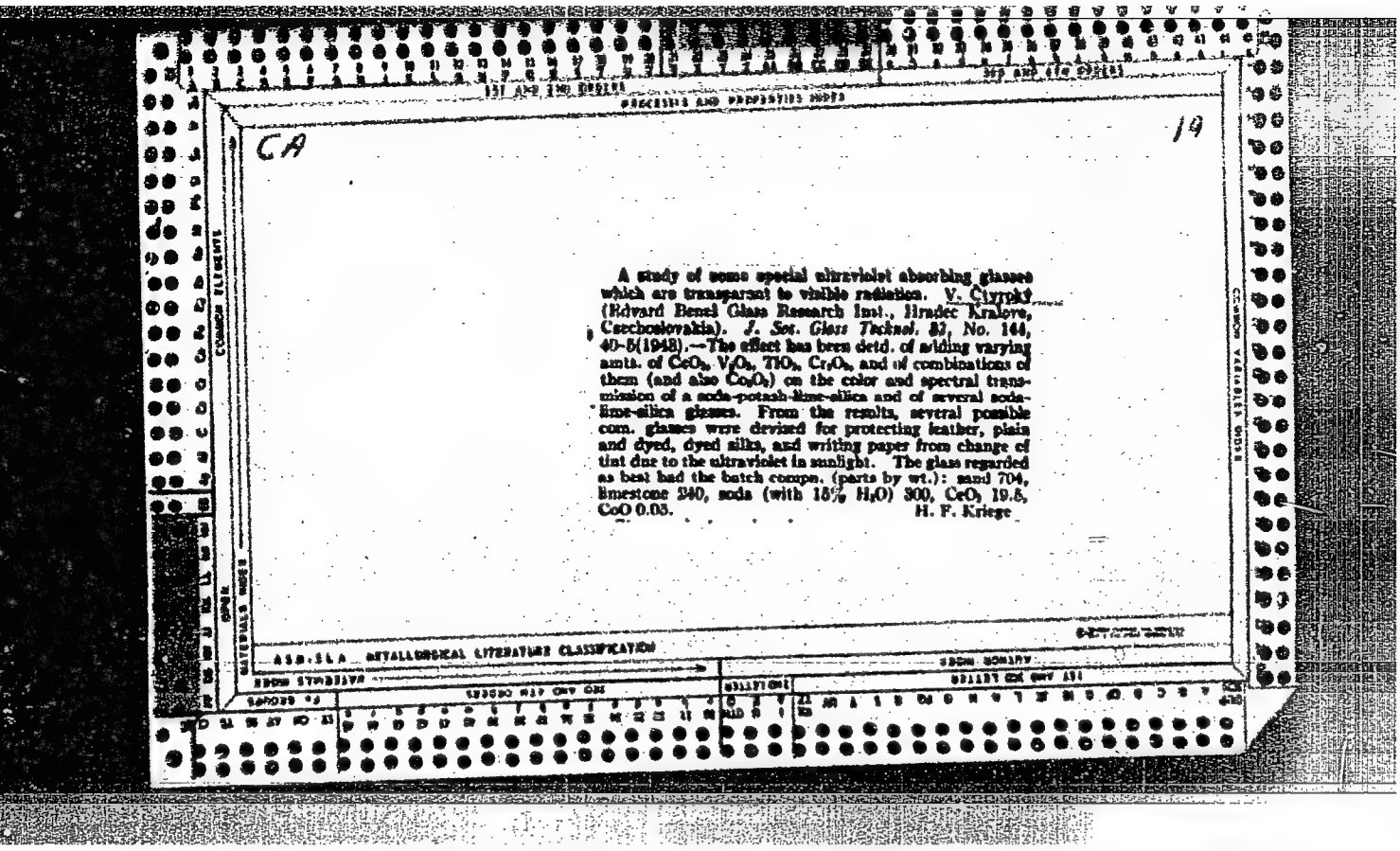
"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942



CA

19

A study of some special ultraviolet absorbing glasses which are transparent to visible radiation. V. Čtyrský (Edvard Benes Glass Research Inst., Hradec Kralove, Czechoslovakia). *J. Soc. Glass Technol.* 32, No. 144, 40-5(1948).—The effect has been detd. of adding varying amts. of CeO_2, V_2O_5, TiO_2, Cr_2O_3, and of combinations of them (and also Co_3O_4) on the color and spectral transmission of a soda-potash-lime-silica and of several soda-lime-silica glasses. From the results, several possible com. glasses were devised for protecting leather, plain and dyed, dyed silks, and writing paper from change of tint due to the ultraviolet in sunlight. The glass regarded as best had the batch compn. (parts by wt.): sand 704, limestone 240, soda (with 15% H_2O) 300, CeO_2 19.8, CoO 0.05.

H. F. Kriege

ASS.SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUACHOVA, L.

NAVRATIL, M. MUDr.; KRECEK, V.; CUACHOVA, L.

Incidence of emphysema in workers of an asbestos factory. Pracovni lek. 9 no.2:111-116 Apr 57.

1. Ustav hygieny prace a chorob z povolani, praha, reditel prof. MUDr Jaroslav Teisinger.

(EMPHYSEMA, PULMONARY, statist.
in asbestos workers (Cz))
(INDUSTRIAL HYGIENE,
incidence of pulm. emphysema in asbestos workers (Cz))

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBELIC, M.

"Detection of ions in oil field waters." p. 389. (Nafta. Vol. 4, no. 12, Dec. 1953. Zagreb.)

SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954. Uncl.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBELIC, M.

rilling

1521. Treating drilling muds with carboxymethylcellulose. M. Cubelic. *Nafta (Yugoslavia)*, March 1953, 4 (3), 93–6.—The paper describes the properties of carboxymethylcellulose and its action on bentonite-type drilling muds. Laboratory experiments as well as field tests with commercial products (Tylose, Kalle and Co., Wiesbaden-Biebrich) gave very satisfactory results. (Author's Summary.)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBELIC, M.

Cathodic protection of pipelines.

p. 227
Vol. 6, no. 7, 1955, July
NAFTA
Zagreb

So: East European Accessions List (EEAL), LC. Vol. 5, no. 2, Feb. 1956

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBERI, Bashkim, dr.

Medico-legal documentation and its importance. Shendet pop. 23 no.5:56-58 '62.

1. Kyre ekspert mjeko ligjor.
(JURISPRUDENCE)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBERI, Bashkim

A case of fatal poisoning by isoniazid. Bul. univ. shtet. Tirane[Mjek] 4:80-83 '62.

(ISONIAZID TOXICOLOGY)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBERI, Bashkim

Medico-legal evaluation of thoracic wounds. Bul.Univ.Shtet. Tirane no.3/4:38-42 '63.

1. Katedra e patologjise pergjitheshme - sektori mjekolighor, Universitetit Shteteror te Tiranes.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBLESAN, Maria, MD

RUMANIA

ILEA, Th., Professor; CALOENESCU, I., MD; CUBLESAN, Maria, MD; DRAGUSANU, I., MD.

Bucharest, Igiena, No 6, Nov-Dec 63, pp 551=556

"Outpatient Care of Workmen on Construction Sites"

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBOVA, J.; HON, I.

Production of tinsel yarn goods. p. 242. TEX IL. (Ministerstvo lehkeho prumyslu) Praha. Vol. 9, no. 8, Aug. 1954.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

S/081/62/000/005/048/112
B151/B101

AUTHORS: Lačan, M., Marković, Tihomil, Cubranić, A.

TITLE: Curves of corrosive flow - pH of medium for lead submerged in organic acids

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 361, abstract 5I208 (Glasnik Khem. drushtva, v. 23-24, nos. 7-10, 1958-1959, 401-408)

TEXT: The mechanism of Pb corrosion in several organic acids is studied. The rate of Pb corrosion in HCOOH at low concentrations is determined by the diffusion processes. The kinetics of Pb corrosion in COOH-COOH is determined by the solubility of $Pb(COO)_2$ formed on the surface of the object. The rate of Pb corrosion in CH_3COOH at pH 2.5 with a constant rate of O_2 feed is at first accelerated and then falls as a result of the passivation of the Pb surface. [Abstracter's note: Complete translation.]

Card 1/1

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBRANIC, N.

Precision of height conjuction of island by trigonometric leveling. (To be contd.) p. 75. GEODETSKI LIST. Zagreb. Recurrent features: Terminology; Reveiw of domestic and foreign periodicals; News. Vol. 10, no. 3/4, Mar./Apr. 1956.

SOURCE: East European Accessions List, (EEAL), Library of Congress Vol. 5, no. 11, Nov., 1956.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBRANIC, N.

Precision of height conjunction of islands by trigonometric leveling. (Conclusion) p. 125; GEODETSKI LIST. (Drustvo geodeta Hrvatske) Zagreb; Vol. 10, no. 5/6, May/June 1956.

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 5, No. 12, December 1956.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBRILOVIC, Branko, 1894-

Hajduk Pecija, 1826-1875. Sarajevo. Narodna prosvjeta 1954. 71 p. (Mala biblioteka za narodno prosvjecivanje, 19)

CU

1. Pecija, Hajduk, 1826-1875. 2. Bosnia and Herzegovina.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBRIC, D.

Center for analysis of the meteorological service in the USA. p.531.

VAZDUHOPLOVNI GLASNIK. (Jugoslovensko ratno vazduhoplovstvo) Zemun, Yugoslavia
Vol. 11, no. 4, July/Aug. 1955

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept. 1959.

Uncl.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBRILOVIC, Branko, Teslic

Carbonic acid spas and their curative power; experiences from Vrucica Spa, near Teslic, Bosnia. Med. arh., Sarajevo 8 no.3: 111-118 May-June 54.

(BALNEOLOGY
carbonated spas in Yugosl.)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUBRILOVIC, Branko, Dr., Teslic

Hypertension. Med. arch., Sarajevo 9 no.4:139-153 July-Aug 55.

(HYPERTENSION,
(Ser))

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUC, M.

Design for a prefabricated reinforced concrete construction of an administrative service building, p. 178. (Pozemni Stavby, Vol. 5, No. 4, Apr 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUC, M., inz.; SOBOTKA, M., inz.

Conference on improvement of concrete reinforcing steel and development of reinforcing material production. Pos stavby 11 no.1:52-53 '63.

1. Odbor stavebnictvi, Statni komise pro rozvoj a koordinaci vedy a techniky.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUC, M; CITEK, A.

Glued roof trusses for housing units of the T-01.b, T-02 B, and T-03 B types. p. 651

POZEMNI STAVBY. (Ministerstvo stavbnicty) Praha, Czechoslovakia, Vol. 7, no. 12, 1959

Monthly List of East European Accessions (EEAI), LC. Vol. 9, no. 2, Feb. 1960

Uncl.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUCANCIC, Ladislav, dr inz.

High-speed 20-channel analyzer of electric-pulse amplitudes. Elektr vest 17 no.1/2:12-16, 33-35 Ja-F '64.

1. Ruder Boskovic Institute, Zagreb, Bijenicka 54.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUCERIAVIH, E.

Cuceriavih, E. Costiuc, M.
"Study of root systems and respiration of trees." p. 57.
(Analele Romano-Sovietice. Seria Silvicultura-Industria Lemnului Si A Hartiei.,
Seria a II-a, v. 7, no. 15, Sept/Oct. 1952, Bucuresti)

SO: Monthly List of East European Accessions, Vol. 2, No. 9, Library of Congress, September 1953, Uncl.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUCHRA, ALICJA

BARTNIK, Tadeusz; PIEKUTOWSKA, Barbara; CUCHRA, Alicja

Determination of health situation and of health work in the village. Cesk. zdravot. 5 no.3:185-193 Mar 57.

1. Prace studentskeho vedeckeho krouzku pri katedre organisace zdravotnictvi (vedouci katedry lekarske akademie ve Varsave Doc. Dr. J. Krupinski).
(RURAL CONDITIONS,
pub. health in Poland (Pol))

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

LISZEWSKA, Danuta; SLIDZIEWSKI, Konstanty; RUDNICKI, Stanislaw; GRUDZINSKA, Waclawa; CUCHRA, Alicja

Clinical usefulness of Schnur's and Peele's prognostic indices in myocardial infarction. Pol. tyg. lek. 20 no.40: 1496-1499 4 O '65.

1. Z IV Kliniki Chorob Wewnetrznych AM w Warszawie (Kierownik: prof. dr. med. A. Askanas).

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

L 30928-66 T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6022925 SOURCE CODE: CZ/0030/65/000/012/0377/0378

57
B

AUTHOR: Cuchy, Z.

ORG: Research Institute of Single Crystals, Turnov (Vyzkumny ustav monokrystalu)

TITLE: Infrared filters with absorption edges in the region of 0.8 to 6 m

SOURCE: Jemna mechanika a optika, no. 12, 1965, 377-378

TOPIC TAGS: IR filter, IR absorption, IR radiation, crystal, potassium chloride, silver chloride, sulfide

ABSTRACT: Additively colored potassium chloride and silver chloride crystals with a chemically created silver sulfide layer can be used as absorption filters suppressing totally the visible and near infrared regions and transmitting the long-wave infrared radiation. Orig. art. has: 3 figures and 2 tables. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 20 / SUBM DATE: 02Jun65 / ORIG REF: 003 / SOV REF: 001
OTH REF: 005

Card 1/1 UDC: 666.247.3 535.345.6-15

0915 1001

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUCHY, Z.

"Crystal orientation by means of a differnetial Laue pattern."

JEMNA MECHANIKA A OPTIKA, Praha, Czechoslovakia, Vol. 4, No. 6, June 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUCHY, Zd., inz.

Toric mirrors. Jemna mech opt 6 no.12:368-369 D '61.

1. Vyzkumny ustav mineralu, Turnov.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

Z/013/62/000/003/001/001
D006/D102

24.3700 (1051, 1057, 1106)

AUTHORS: Cuchý, Zdeněk, Engineer, and Dědek, Josef

TITLE: Manufacture of an extra-axial paraboloidal mirror

PERIODICAL: Sklář a keramik, no. 3, 1962, 82-84

TEXT: The technology of piecemeal manufacture of aspherical mirrors at the Výzkumný ústav monokrystalů (Single Crystals Research Institute) in Turnov is described with emphasis on final figuring. To obtain extra-axial, concave, paraboloid mirrors of 80-mm diameter with a 20° angle of extra-axiality and a 314-mm focus, a 320-mm-diameter paraboloidal mirror is ground from Simax-type glass with a focal aperture of 1:1.02, and with the focus maintained in all zones of the mirror diameter within ±0.05 mm, using a special grinding tool designed by I. Solc. The tool consists of seven concentric metal rings loosely fitting into each other in such a way that each ring can individually be weighted. The tool is driven by a conventional Koerger-type polishing machine. A modified spherometer was used for checking the paraboloid shape during rough grinding.

Card 1/2

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

Manufacture of an extra-axial ...

Final figuring with pitch lap was made using the Hartmann and Chikolev tests. The Foucault test in an autocollimating arrangement was also tried. As the final step, extra-axial mirrors were cut out of the paraboloidal mirror. There are 9 figures and 1 table. The most important English-language reference reads as follows: F. Twyman, F.R.S. Prism and Lens making.

ASSOCIATION: Výzkumný ústav monokrystalů (Single Crystals Research Institute), Turnov

Card 2/2

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

L 37020-66 EWT(1)/T/EWP(t)/ETI IJP(c) JD/GG

ACC NR: AP6027067 SOURCE CODE: CZ/0030/66/000/003/0070/0073

AUTHOR: Sommer, I. W. (Engineer); Cuchy, Zd. (Engineer) 49 B

ORG: [Sommer] Physics Laboratory, Faculty of Natural Sciences, J. E. Purkyne University, Brno (Laborator fyziky prirodovedecke fak. university J. E. Purkyne); [Cuchy] Research Institute of Single Crystals, Turnov (Vyzkumny ustav monokrystalu)

TITLE: Evaluation of the mosaic structure of single crystals

SOURCE: Jemna mechanika a optika, no. 3, 1966, 70-73

TOPIC TAGS: single crystal, crystal structure, goniometer, angular distribution

ABSTRACT: Methods of comparison of the disorientation of the mosaic structure are described and compared; with the x-ray goniometer, exactness under one minute can be attained. A quantitative determination of the mosaic disorientation and of its angular distribution in crystals permits a suitable choice of crystals or of a crystal section with a possibly perfect structure. Orig. art. has: 7 figures, 3 formulas, and 3 tables. [Based on authors' Eng. abst.] [JPRS: 36,465]

SUB CODE: 20, 17, 12 / SUBM DATE: 08Jun65 / ORIG REF: 006 / SOV REF: 001
OTH REF: 007

Card 1/1 UDC: 548.73

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUCHY, Zd., inz.; SUCHMAN, P., promovany matematik

Silver chloride plate polarizer for infrared radiation zone. Jemna mech opt 8 no.2:46-48 F '63.

1. Vyzkumny ustav monokrystalu, Turnov.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

PETRU, Frantisek; POPELA, Bohumir; KULHANEK, Jan; CUCHY, Zdenek; BOBEK, Milan; VITAK, Frantisek

Small infrared spectrophotometer. Chem listy 57 no.9:964-972 S '63.

1. Ustav pristrojove techniky, Ceskoslovenska akademie ved, Brno a Vyzkumny ustav monokrystalu, Turnov.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

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hydrogen ammonium [illegible]

Card 2/2

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUCHY, Z.

Dichroism of $NaNO_3$ single crystals in ultraviolet and infrared regions. Chekhosl fiz zhurnal 14 no.1:26-28 '64.

1. Research Institute of Monocrystals, Turnov.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

BURDUJA, I., conf.; CUCIUREANU, A., ing.

A new method of calculation for determining the production capacity and its applicable use in the integrated bast fiber enterprises. Ind. text Rum 15 no.7:358-367 Jl '64

1. Polytechnic Institute, Iasi.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

CUCIUREANU, Elena

SOLOMON-IONESCU-continued RUMANIA

Pharmacist

Institute for the State Control of Medicines and Pharmaceutical Research (Institutul pentru Controlul de Stat al Medicamentelor si Cercetari Farmaceutice).

Bucharest, Farmacia, Revista a Uniunii Societatilor de Stiinte Medicale din Republic Populara Romina, No 9, Vol X, Sep 62, pp 551-553.

"Contributions to the Study of the Quantitative Determination of Neostigmine Bromides in Tablets."

Co-authors: SOLOMON-IONESCU, IRina
PRODESCU, Maria

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2 of 2

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

RUMANIA

BERAL, H.; MUREA, L.; WERMESCHER, B.; MADGEARU, M.; CUCIUREANU, E.

Institute of State Control of Medicines and Pharmaceutical Research (Institutul pentru Controlul de stat al medicamentelor si cercetari farmaceutice) - (for all)

Bucharest, Farmacia, No 3, Mar 63, pp 161-168.

"Application of Ampermetric Titration Methods with two Indicative Electrodes in the Control of Drugs. VII. Study of the Conditions of Ampermetric Titration of Certain Sulfonamides with a Silver Nitrate Solution."

(5)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942

L 31452-66 EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6023182 SOURCE CODE: RU/0003/65/016/002/0105/0105

AUTHOR: Boral, H.; Wermescher, B.; Murea, L.; Cuciureanu, El.; Madgearu, M.

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TITLE: Study of the method of amperometric determination using cerium sulphate as titration agent with special application to the determination of promethazine

SOURCE: Revista de chimie, v. 16, no. 2, 1965, 105

TOPIC TAGS: amperometric titration, cerium compound

ABSTRACT: The authors found that amperometric titration using cerium sulfate is a satisfactory method for the determination of promethazine with an applied current of 10 to 200 millivolt, 2 platinum electrodes and the sulfuric acid concentration maintained at 2.5 N. The error of the method is within ±0.70 percent. Orig. art. has: 1 figure and 1 table. [JPRS]

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